



CENTRAL 3617.
 "CHEMICUS,"
 "ON" (2 Words).

PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4.

SUBSCRIPTION, WITH
 DIARY 20/- PER ANNUM
 SINGLE COPIES 9d

JUNE 5, 1920.

VOL. XCII.



James Woolley, Sons & Co., Ltd.

Victoria Bridge, MANCHESTER.

DEPARTMENTS.

DRUGS, CHEMICALS, and PHARMACEUTICAL PRODUCTS
 SURGICAL INSTRUMENTS and APPLIANCES, TRUSSES, &c.
 PHOTOGRAPHIC REQUISITES, CHEMICAL and PHYSICAL
 APPARATUS
 DRUGGISTS' SUNDRIES, PROPRIETARY ARTICLES, TOILET
 REQUISITES, &c.

INDENTS THROUGH BRITISH SHIPPERS.

HOWARDS

ESTD 1797 ILFORD.

Having completed the extension of our plant we can now give prompt delivery of

SODII BICARB.

There is no advance in the price of bulk, but we have been compelled to raise the prices for the small packets.

SPASMODIN

(W. J. Bush's Physiologically Pure Benzyl Benzoate).

IMPORTANT.

THE attention of the Medical Profession is directed to the remarkable results obtained by Dr. David I. Macht in the pharmacological investigation of this new antispasmodic, as summarised by him in a communication to the recent Seventieth Annual Session of the American Medical Association (Journal American Medical Association, 1919, 73, 599). At the same meeting Dr. Jennings C. Litzenberg read a communication on "The Use of Benzyl Benzoate in Dysmenorrhoea" (*ibid.* 601).

Please obtain your supplies through Wholesale Drug Houses, specifying SPASMODIN (W. J. Bush's physiologically pure Benzyl Benzoate).

MANUFACTURED BY

W. J. BUSH & CO. Ltd

Ash Grove Works,

HACKNEY

LONDON, E. 8.

Telephone No.: Dalston 461 (5 lines).

Telegraphic Address: "Tangerine London"

ANTI - STING LOTION

For the Prevention and Cure of the irritation arising from the stings of Gnats, Mosquitoes, Wasps, etc.

Made in accordance with a new and well-proved efficient formula.

5/- PER DOZEN WHOLESALE, RETAILING 10½d. PER BOTTLE.
NEAT PACKING. SHOWCARD.

Junket Tablets

Now is the time to show this profitable side line.

This line is one which many pharmacists greatly neglect; there is big business to be done with it, and the public still seem to go to the grocer although it is distinctly a pharmaceutical line.

Probably one of the most elegant packings we have—as illustrated alongside. Tubes of 16 neatly cartoned in show outers of twelve.

Two Tablets sufficient to make One Pint of DELICIOUS JUNKET.



ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND



*"Rownsons
have it!"*

SALES BY TENDER.

It will pay you to watch carefully the lists of goods offered for sale by tender, appearing in the daily press.

Fix that firmly in mind. When customers demand, meet their requests. If you cannot, replenish stocks from the Biggest Business Deal on Record. £5,000,000—£10,000,000 worth of Government Surplus Stores, 50,000 items.

CASTOR OIL (Bulk Offer by "D" Dept.)

Pure Pharmaceutical
1st Pressings
2nd Pressings

In Bulk, Barrels,
Drums and
Cases

Large Quantities Available.

SOAP.

Pale Yellow, Crosfield's and Gossage's make, packed in 50-lb. boxes, containing 20 × 2½-lb. bars.

BEESWAX.

Zanzibar, Abyssinian, Benguella, Mozambique. Packed in bags of 1½ cwt. each.

RUSSIAN TALLOW.

Packed in 5-cwt. casks.

DISINFECTANTS.

Sanitas,
"Okal,"
and other varieties.

JELLY.

Petroleum.

We can also supply—

MINERAL, RAPE, SWEET and OLIVE OILS, GLOVES (RUBBER), ISINGLASS, PARAQUIT, VERMIJELLI, NAPHTHA-LINE PASTE, TURPENTINE.

Don't blame us if you are not supplied, we are announcing broadcast our desire to supply you. It is necessary for you to respond quickly in the manner indicated.

Telephone:
Cent. 1070
(10 lines).

ROWNSONS
ROWNSON DREW & CLYDESDALE LTD

Cables
"Rownsons
Cent."

ESTABLISHED 100 YEARS.

Head Office : 225 UPPER THAMES ST., LONDON, E.C. 4.

Works : ELEVATORS & CONVEYORS, Maiden Lane, YORK ROAD, N. 1.

Branches :

BELFAST	... 16 Donegall Square South.	GLASGOW	... 1552 Gt. Western Rd., Annesland.
BIRMINGHAM	... 111 New Street.	LIVERPOOL	... C. S. D., Queen's Drive, Walton-on-the-Hill.
BRISTOL	... 3 Unity Street, College Green.	MANCHESTER	... 70 Spring Gardens
LEEDS	... 2 Park Place.		

Vibrona

The IDEAL TONIC WINE

BUDGET, 1920.

Owing to the increase of 100 per cent. in the Duty on Wine, we have been compelled to advance the wholesale price of VIBRONA, as follows:—

Cases of one dozen ...	... 57/- net, carriage forward.
Cases of two dozen ...	£5 14s. net, carriage paid.
Cases of three dozen	£8 10s. net, carriage paid.

PACKAGES FREE.

Less than one dozen ... 62/- per doz. net, carriage forward.

The Retail price of VIBRONA is now 6/- per bottle.



SOLE PROPRIETORS

FLETCHER, FLETCHER & CO. LTD., LONDON & SYDNEY

IF YOU DISPENSE

Russolax.

REG. DES^m

YOUR CUSTOMERS

WILL RECEIVE

1. THE MOST PERFECTLY REFINED ..
PARAFFINUM LIQUIDUM B.P.
EVER PLACED AT YOUR DISPOSAL
 2. A CONSISTENTLY HIGH VISCOSITY
VIZ 275 SECONDS AT 100° FAHR. (REDWOODS)
-

IT WAS RUSSIAN OIL OF THIS KIND
THAT WAS USED IN THE CLASSICAL
WORK ON INTESTINAL STASIS.

DISTILLED & REFINED BY THE
PHARMACEUTICAL DEPT.

SILVERTOWN LUBRICANTS^{LD}

MINOCO WHARF,
WEST SILVERTOWN

(Wholesale Only)

E.6.

INDEX TO ADVERTISERS

SEWING COTTON CO.	lviii	CARTER, R. E., LD., Photo Albums	lviii	FLETCHER, FLETCHER & CO., LD., Tonic	3
DRUG & CHEM. CO., Chemicals ..	xx	CARTWRIGHT, W. B., LD., Sundries	49	FORGROVE MACHINERY CO., LD.	lxv
CAN COMMERCE CO., LD., Chemicals ..	xi	CASAS FRANCISCO AGENCIES	xxxvii	FORRANS, LD., Dentifrice	40
READ QUINIST WORKS	xxvi	CAPHOS, LD., Proprietary	xxxvi	FOX, FRANCIS F., & CO.	xlvi
CHEMICALS CO., Saccharin	xxii	CHATELAIN, J. L., French Props.	xxxv	FRANKS, J. J., & SONS, LD., Waxes ..	xlvi
T. JAMES, & SONS, LD.	xli	CHEMICAL WORKS MADDERY, LD.	xxxvii	FRENKEL, L., Olive Oil	xlvi
RI, E. S.	lxvii	CHEMISTS' DESIGN SERVICE	lxx	FREUDENTHIEL & CO., Cod-Liver Oil ..	xlvi
W. & PARSONS, LD.	lxxxii	CHRISTY, T., & Co., Shampoo	32, lii	FURST BROS., LD., Chemicals	v
N. SANDERS & CO., LD., Whole- Druggists	15	CLARK, C. S., Cachets	lxvii	FULFORD, C. F., LD., ... 20, 21, 39	
ENG QUININE FACTORIES	xxvi	CLAYTON ANILINE CO., LD.	iii	FULLWOOD, R. J., & BLAND, Rennet ..	xlvi
STREET WORKS, LD., Machinery ..	xv	CONDY & MITCHELL, LD.	i	GARDNER & CO., Overalls	lxx
W. & DAIRYMILK, Chemicals, &c.	xvi	COOPER LABORATORY, Quinine Salts ..	xxxvi	GARDNER, W., & SONS (GLOS.), LD.	lxviii
AM GREEN, J., & SON	xlvi	COOPER, SON & CO., LD., Cachets ..	lii	GATES, LESLIE, Bottle Cappings	lxix
LA CO., LD., Proprietary	xxxv	CORBIN, STACEY & CO., LD.	1	GATBERGOOD'S, W. B., EXORS.	xxi
W. MALBY & BOWER, Sheep Dips ..	lxvii	COTRIN & WARNER	lxviii	GIBBS, D. & W., LD., Toilet Soaps, &c. 54	
AM, THOMAS, Pills	xxxvii	COX, ARTHUR H., & CO., LD.	1, 41	GIBBINS, R., & CO., Saccharine	xxii
(JOHN), HILLS & LUCAS, LD.	Cover	CROOKES' LABORATORIES	xxxviii	GIONOUX FRERES & BARBEZAT	xxviii
A THEE CO., LD.	43	CURASOL SOCK CO., Boracic Socks ..	lvii	GILARD GORDON, LD., Eucalyptol	xxix
F. W. & CO., LD.	v, vi	CUSON, GERRARD & CO., LD.	19	GRIFF, R. W., & CO., Chemicals	6, 7
J. B., SONS, CO., INC.	xli	CYNTA MANTG. CO., Towels	lv	GREENWICH LEMONADE CO.	48
ARTHUR, LD.	lix	D.D.D. Co., LD.	xxxv	GUILDHALL CORR. PAPER CO.	lxxi
LLS, LD., Brushware	lxvii	DALE, J., MANUFACTURING CO.	lxix	HUMPHOND TYPEWRITER CO., LD.	51
W. ROBERT, Ointment, &c.	xxxiv	DAVENPORT, J. T., LD., Chlorodyne ..	xxxiii	HAMPSHIRE, F. W., & CO.	lxxii
W. VICTOR, & CO., Chemicals	xiv	DAY & SONS (CREWE), LD.	lxxix	HARKER, C. R., STAGG & MORGAN, LD.	xxv
W. MARCEL, Citon	xxxix	DE ST. DALMAS, A., & CO., LD., Plasters ..	lxii	HARLEY, T., Rat Poison	lxxii
W. & CO., LD., Epsom Salts	iv	DE VILBISS CO., LD., Atomisers, &c.	lx	HARKER, C. W., Saccharin Tablets ..	xi
A. ROBERTS, A., & CO., LD.	xlvi	DEARBORN, LD., Toilet Specialities ..	40	HARRISON, A., & SONS, Printing	lii
W. WICK, W., Brilliantine Oils	xlvi	DEIGTON, J., & CO., Corks	48	HAYWOOD, J. H., LD.	lviii
OSIS, A., & CIE, LD.	34	DELANNOT, P. J., Chemicals	xxxvii	HENRY, T. & W., Calcined Magnesia ..	viii
ELL, E., & SON, LD., Chemicals	x	DELPHINUS MANTG. CO., Toilet Preps. ..	42	HEWLETT, C. J., & SON, LD., Tonic, &c. liii	
E., Catheters, &c.	1x	DEMUTH'S LABORATORIES, Toilet Preps. 42		HEYMANS, RENÉ, Douche Fittings ..	lviii
W. A., & CO., Ess. Oils, &c.	24	DEPRETER, A. E., Brushes, &c.	lxxvi	HILTON, RIDER & CO., LD., Oils	xli
L-MYERS CO.	xxix	DICKESON, R., & CO., Snuff	lxxiv	HIND & LUND, LD., Pharm. Machinery ..	lxxi
W. CYANIDES CO., LD.	Cover	DIGESTIVE FERMENTS CO.	xxxvii	HOBSON, TRIMBLE & CO., LD.	lvi
W. DIAMANT CO., LD.	xlvi	DIXON, W. B., LD.	lxxii	HODGES ROWLAND, Safety Razor	lvi
W. DRUG HOUSES, LD., Ficolax	56	DODGE & OLCOTT CO., Essential Oils ..	26	HOLLAND'S DISTILLERY, LD.	25
W. DRUSTEYS CORPORATION, LD.	i	DORING, E. DUNCAN, Bottles	lx	HOLLANDSCHE MELKSTUKEFABRIEK ..	xxiii
W. RUBBER MASTERS, LD.	lv	DUDLEY & CO., Cash Tills	lxxi	HOLLIDAY, G., & CO., LD.	33
W. PARKER & CO., LD.	xix	DUNCAN, FLOCKHART & CO., Anaesthetics ..	xi	HOLLIDAY, L. B., & CO., LD., Chemicals ..	xiii
W. PEEL & CO., LD., Tubes	lxxi	EASTERN & RUSSIAN TRADING CO., LD.	xxviii	HOPKIN & WILLIAMS, LD.	ix
W. & SON, Machinery	lxviii	ELLIOTT OPTICAL CO., Optical Goods ..	50	HOPKINS, J. L., & CO., Extracts	xxix
W. INO, THE WM., CO., LD.	lxvii	ELT'S COLLEGE, Educational	lxxix	HOWARDS & SONS, Chemicals	Cover
W. B. MOND & CO., LD., Alkalies	vii	EXO, J. C., LD., Fruit Salt	47	HUCKING, C. L., INC., American Drugs ..	xxx
W. W., Cachets	Text	EVANS, GADD & CO., LD.	li	HULSEN, JULIUS, & CO., Barium Salts ..	x
W. WARREN & RIDGLEY, LD.	43	EVANS SONS LESCHER & WEBB, LD.	9	HYGEX, LD., Toilet Preps.	14
W. GE, J., LD., Absolute Alcohol ..	Text	EVAN-WILLIAMS CO., LD., Shampoo ..	30, 38	INDIA RUBBER, GUTTA PERCHA & TELE- GRAPH WORKS CO., LD.	lx
W. WELLCOME & CO.	55	EYENS, Betterway Assistant	lxvii	INGRAM & ROYLE, Mineral Waters	xl
W. J., & CO., LD.	Cover	EXCELSA CO., Powders	lii	ISAACS, I., & CO., Glassware	lxix
W. E. H., & SON, LD., Tablets	xxii	EXPRESS DEVELOPING CO., Photographic ..	lxxv	JACKSON CO., Toilet Preps.	35
W. BROS., Cocoon	Cover	FALCONER & CO., LD., Price Changes ..	8	JACKSON, J. P., & CO., LD., Machinery ..	lxv
W. & CO., Vitmar	liii	FARROW & CO., Bottles	8	JOB BROS., Cod Liver Oil (Newfoundland) ..	10
W. W. H., & CO., Perfumery	26	FARROW & JACKSON, Filters	lxviii	JOHNSON, A., & CO. (LONDON), LD., Drugs ..	ii
W. F. C., & CO., Tooth Powder	38	FERTIMAN, A. G., LD.	lxxv	JOHNSON & SONS (Mfg. Chts.), LD.	xvii
W. L. TONIC CO., Shampoo	32	FERRER, R., LD., Capsules	22	JONES, SAMUEL, & CO., Gummed Paper ..	lv
W. LD., Aerated Waters	xliv	FERRIS & CO., LD., Nephenthe	xix	JOSEPHS, PHILIP, & SONS, LD.	lxviii
W. M. F. J., & CO., Camomiles	lxviii	FIELD, C. W., LD., Saponine	xxxvi	JOY'S MEDICINAL CAPSULE CO.	xiv
W. BROS., Surgical Dressings	lxviii	FIELD, J. C., & J., LD., Toilet Soaps ..	30	KLOS, Liquorice	xxiv
W. & CO., LD., Tablets	xxvii	FINK, F., & CO., Gums	lii		
W. A. & E., Toilet	37, 38	FLEMONS & SONS, English Herbs	lxviii		

[Continued overleaf.]

OLDFIELD, PATTERSON & CO.

TELEGRAMS: "OPIUM MANCHESTER"

TELEPHONES: "CITY 984 & 4038."

A RELIABLE HOUSE FOR
All Pharmaceutical Preparations.

CONCENTRATED WATERS.
CONCENTRATED INFUSIONS.

B.P. Tincture. **OPIUM** Aqueous Tincture.
Syr. Glycerophosph. Co.

LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
ESSENTIAL OILS.

"Silver Churn" Dairy Specialities.

Special Prices to Large Buyers. Write for List.

MANCHESTER.

INDEX—cont.

KAY BROS., LD., <i>Flycatchers</i>	lxvii	NEWMAN, H. & C., <i>Fort Reviver</i>	46	SOLAZZI, <i>Liquorice</i>	
KERFOOT, T., & Co., LD.	17	NOLA, <i>Photographic</i>	lxv	SOLERNOUT, VIUDA DE JOSE, <i>Agén</i> ..	
KHAMBATA, J., & Co., <i>Tartaric Acid</i> ...	viii	NORTHERY DRUG & CHEMICAL CO., LD.	lxvii	SOLFPORT BROS., LD., <i>Baby Balm</i> ..	
KIRBY, H. & T., & Co., LD., <i>Aspirin</i> ..	lxviii	NORTHERN TIN CANISTER WORKS	lxix	SOUTH OF ENGLAND COLLEGE	
KNOX-WALKER, J., & Co., LD.	34	NORWICH CREPE CO., LD., <i>Bondages</i> ...	lvii	PHARMACY	
KOLNEY CO.	38	ODCLON, LD., <i>Perfumery</i>	25	SPATULA PUBLISHING CO., <i>Books</i> ..	
KUTNOW, S., & Co., LD., <i>Propy.</i>	48	OLDFIELD, PATTERSON & Co., <i>Pharm. Preps.</i>	5	SQUIRE & SONS, LD., <i>Price Currents</i>	
LANE HALL, R., & Co., LD.	iv	OLDHAM, J. V., <i>Wines</i>	xlv	STERN, LD., <i>Oils, Petroleum, &c.</i> ..	
LANG, JULES, & SON, <i>Glassware</i>	53	OSMOS APERIENT WATER	lxlviii	STEVEN, G., & Co.	
LANGLEY-SMITH & Co., <i>Olive Oil</i>	xlvi	OURY, MILLAR & Co., <i>Gelatines</i>	lxviii	STEVENS & Co., <i>Prices Currents</i> ..	
LAPORTE, B., LD.	xii	OTHERS, LD., <i>Rubber Goods</i>	liv	STEVENSON, HUGH, & SONS, LD., ..	
LATHROP, H. R., & Co. INC.	xxxi	P.A.T.A.	xvii	STORES, C. A., & Co., LD., <i>Toilets</i> ..	
LATCOCK, T., & Co., <i>Bottles</i>	52	PAGE, CHAS., & Co., LD., <i>Chemicals</i> ...	xiv	STRODE, COSH & PENFOLD	
LEATH & ROSS	xxvii	PARIS, A. & F., LD., <i>Soaps</i>	31	SUTCLIFFE VENTILATING & DRYN ..	
LECONTE, R., & Co., <i>Capping Skins</i> ...	lxvii	PERKEN, SON & Co., LD., <i>Clinicals</i> ..	8	SUTCLIFFE & SILVERLOCK, LD., <i>Pris</i> ..	
LEIGHTON LABORATORIES, LD.	lii	PERRY & HOPE, LD., <i>Malt Extract</i> ..	10	SWALES, THOMAS, <i>Vacuum Flask</i> ..	
LENNON, LD., <i>Drugs</i>	xvi	PETRI BROS., <i>Cresote</i>	v	SWISS BANK CORP., <i>Mercantile</i> ..	
LEROZA THEATRICAL STORES	38	PILLISCHER, J., <i>Clinicals</i>	46	TEXALO MFG. CO., <i>Water Paint</i> ..	
LESLEY, LD., <i>Plasters</i>	lvii	POULENC FRERES, <i>Stovaine</i>	xxxi	THAKORE, T. M., & Co.	
LEYVERMORE, A., & Co., LD.	lii	POWELL, F. W., <i>Drugs and Chemicals</i>	vi	THOMPSON & CAPPER, LD., <i>Machi</i> ..	
LEWIS, REGNARD & Co.	51	PREMO CONCENTRE & ESSENTIAL OIL ..	23	TIDMAN & SON, LD., <i>Sea Salt</i> ..	
LICENSES & GEN. INS. CO., LD.	lxviii	PREMO, <i>Essential Oils</i>	23	TIMPSON, JOHN, & Co., LD.	
LICHENSTEIN & Co., LD.	Text	PRESCOTT & Co.	Text	TITTERTON & HOWARD, <i>Brushwa</i> ..	
LINABIS, LD., <i>Toilet Preps.</i>	28	PRESTON'S LIVERPOOL DIST. CO., LD.	lxviii	TOMLINSON & HAYWARD	
LINCOLN & MIDLAND COUNTIES DRUG		PRICE, A. S., & Co., LD.	xx	TOMPKINS, J., LD., <i>Bathing Cap</i> ..	
CO., LD.	13	PRICE'S PATENT CANDLE CO.	29	TOOGOOD, WM., LD.	
LINTON, HUBBARD & ANDREW	xxvii	PURE RUSSIAN LIQUID PARAFFIN CO., LD.	xl	TOWNSEND, J., & SONS	
LITTLE, D. J., Co., <i>Capsules, &c.</i>	xxvii	QUENCH, HENRY C., & Co.	44, 45	VAN DER HEYDEN, T., <i>Puffs, &c.</i> ..	
LIVER RAZOR CO., <i>Safety Razors</i>	lxvi	RAMSEY, S., & Co., <i>Sices, &c.</i>	lxvii	VAN DER HOEF, G., <i>Bottles</i>	
LIVHOUSE & SALTNER, LD.	xlvi	RAPHAELS, LD., <i>Spectacles, &c.</i>	lxvii	VAUGHAN PAUL, T. W., <i>Photogr</i> ..	
LONBANC TRADING CO., <i>Essential Oils</i> ...	7	RAWLEY, R., <i>Bottle Cops</i>	lxvi	VENO DRUG CO., <i>Germoline</i>	
LONDON ESSENCE CO., LD., <i>Perfumes</i> ...	24	RAWORTH, J. E., & MOSS, <i>Pat. Agents</i>	lxvi	VERNON & Co., LD., <i>Surgical Dr</i> ..	
LONGCROFT, H. M., & Co., LD.	8, 52	RAYMENT, K.	lxviii	VIOLET MFG. CO., <i>Quencholeen</i> ..	
LUMEX, LD., <i>Photographic</i>	lxv	REDDGRAVE, BUTLER & Co., <i>Paraffin</i> ...	Cover	VISCOSE CO., LD., <i>Bottle Cappi</i> ..	
MACAONE, G., <i>Ess. Oils</i>	22	ROBERTS & Co.	xxvii	VITAMOGEN, LD., <i>Invalids' Food</i> ..	
MACBRAN, E., & Co., LD.	lvi	ROBERTS' PATENT FILLING MACHINE CO.	lxiv	VITTEL WATER	
M'GLASHAN, D., <i>Abdine</i>	lxvi	ROBINSON, THOMPSON & Co., <i>Oils</i>	41	WALLACE HEATON, LD.	
McKECHNIE BROS., <i>Sulphate of Copper</i> ..	v	ROSS MANG. CO., <i>Clinicals, &c.</i>	x6	WALTON, T. H., & Co., LD., <i>Soaps</i> ..	
MAC SWEENEY, E., <i>Corn Cure</i>	lii	ROWLAND, A., & SONS, <i>Change of Address</i>	50	WASHINGTON CHEMICAL CO., LD.	
MALLAGH & Co., <i>Chemicals</i>	lxiii	ROWNSON, DREW & CLYDEDALE, LD.	2	WELLS, A. C., & Co., <i>Bung Pou</i> ..	
MALLINCKRODT CHEMICAL WORKS, LD. ...	xxx	ROYAL PHARMACEUTICAL CO., LD.	xxviii	WESTMINSTER COLLEGE OF PHARM	
MALMBERG, K., <i>Wool Grease</i>	vi	ROZEN, L., & Co., <i>Chemicals</i>	viii	WHIFFEN & SONS, LD., <i>Emetine</i> ..	
MANGOLD, C., & Co.	v	SAFETY WIRE GLOBE CO.	lxx	WHIPMAN, P., & Co., LD., <i>Drugs</i> ..	
MARTINDALE, W., <i>Compressed Moss</i>	lvi	SALTRATES, LD.	18	WHITE BAND MFG. CO., <i>Tablets</i> ..	
MAW, S., SON & SONS, LD.	11	SANAGEN CO., <i>Nerve Food</i>	lxviii	WHITE, A., & SONS, LD.	
MENDINE CO., <i>Cement</i>	lxvii	SANITAS CO., LD., <i>Disinfectants</i> ..	Text	WILLIAMSON BROS., <i>Sundries</i> ..	
MENLEY & JAMES, LD., <i>Aspirin</i>	xxiv	SANGERS, <i>Vanishing Cream</i>	27	WHITEPHILL CO.	
MERTEN, F., <i>Showcard Expert</i>	52	SAPON SOAPS, LD.	28	WILLOWS, FRANCIS, BUTLER & S	
MILLAR, A., & Co., LD., <i>Quinine Wine</i>	lxviii	SCOTT'S CHEMICAL CO., <i>Toilet Water</i> ..	28	SON, LD., <i>Drug Grinders</i>	
MOKOL CO., <i>Fuce Cream</i>	34	SCURR, C. A., <i>Correspondence Course</i>	lxv	WOOD, VINCENT	
MORSON, THOMAS, & SONS, LD.	xii	SCURR, H. W., <i>Manicure</i>	50	WOODS & WEBB, <i>Chemicals</i>	
MOUSLEY, F. A., <i>Beaverpuf</i>	34	SHADEINE CO., <i>Hair Dyes</i>	lii	WOOLLEY, JAS. SONS & Co., LD.	
MUSTEROLF CO., <i>Proprietari</i>	12	SHERBORNE, T., & Co.	lx	WRIGGLESWORTH, E. H., LD.	
MUTUAL TRADERS, <i>Menthol Crystals</i> ...	lxvii	SHIRLEY BROS., <i>Toilet, &c.</i>	36	YOUNG & BARRACLOUGH	
NASH, KENYON & Co., LD.	lxv	SIEMENS BROS. & Co., LD., <i>Electric</i> ...	lxx	YOUNG, GEO. (CHEMISTS), LD.	
NATURAL FOOD CO., LD., <i>Foods</i>	xlvi	SILVERTOWN LUBRICANTS, LD.	4	ZIMMERMANN, A. & M., LD., <i>Coc</i> ..	
NESTLES, <i>Feeding Bottle</i>	lxi	SIM, LD., <i>Ampoule Files</i>	xxxi	ZIMMERMANN, C., & Co. (CHEM. LD.	
NEW WATCURE CO., <i>Toilet Goods</i>	32	SMITH & Co., <i>Fly Catcher</i>	lxvii	ZIMMERMANN, C., & Co. (CHEM. LD.	
		SMITH, STANISTREET & Co.	xxxi	GRAPHIC), LD.	
		SMITH, T. & H., LD., <i>Drugs</i>	iv	ZI-ZI CO., <i>Ointment</i>	



QUININE

MAARSSSEN

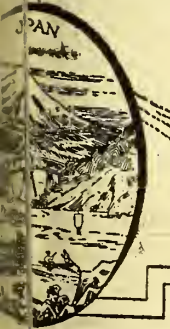
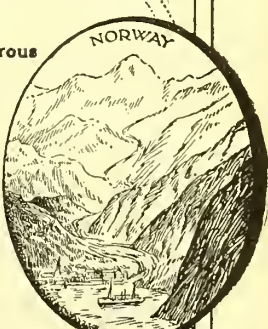
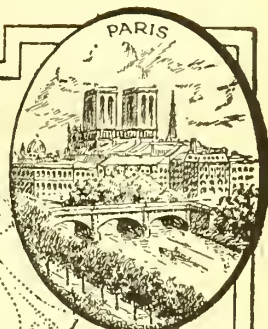
QUININE and QUININE SALTS.

Unexcelled in Uniformity of Quality,
Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE,
and their SALTS.

MANUFACTURED BY
NEDERLANDSCHE KININEFABRIEK, MAARSSSEN, HOLLAND

AGENTS.—R. W. Greeff and Company,
Thames House, Queen Street Place,
LONDON, E.C.4.



PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS.

*R. W. GREEFF & Co. offer at lowest prices
the following products:—*

(WHOLESALE QUANTITIES ONLY)

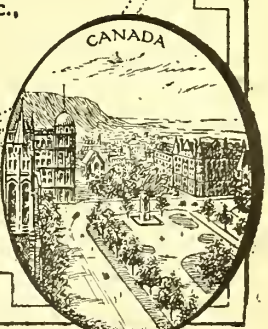
Acetanilid	Guaiacol Carbonate	Potash Sulpho-
Acetyl Salicylic Acid	Hexamine	Guaiacolate
Amidol	Homatropine	Quinidine and Salts
Amidopyrin	Hydroquinone	Quinine and Salts
Barbitone	Ichthyol Substitute	Quinoidine
Benzoic Acid	Kelene	Resorcin
Benzamine Hydrochlor	Lemon Oil	Saccharin
Benzamine Lactate	Lithia Carbonate	Salicylic Acid
Benzo Naphthol	Lecithin	Salicylate of Soda
Beta Naphthol	Menthol	Salol
Bromides	Mercurials	Soda Benzoate
Calcium Lactate	Methylene Blue Medicinal	Sotia Hyposulphite
Chloral Hydrate	Methyl Salicylate	Soda Sulphite Anhydrous
Cinchonine and Salts	Metol	Sugar of Milk
Cinchonidine and Salts	Paraldehyde	Tannic Acid
Citric Acid	Peppermint Oil	Tannin Albuminate
Cocain	Pepsine	Tartaric Acid
Coumarin	Peptone	Terpineol
Creosote Carbonate	Phenacetin	Terpine Hydrate
Eucalyptus Oil	Phenazone	Theobromine
Gallic Acid	Phenolphthalein	Thymol Crystals
Glycerophosphates	Pyrogallie Acid	Vanillin

R. W. Greeff & Co.

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyd's Bank Buildings,
King Street.

NEW YORK AGENTS
R. W. Greeff & Co., Inc.,
78, Front Street.



BOTTLES

We have the following
to offer—

1-oz. & 2-oz. White Flint
Screw-Capped Pomades

1-oz. and 2-oz. Octagon
Opal Pots, Aluminium
Screw Caps

2-oz. W. M. Amber
Cheltenham

FARROW & CO.,

87 BOROUGH HIGH ST., S.E. 1

Telephone: Hop 3222.

CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.

40 DIFFERENT KINDS.

Special Quotations to Wholesale Buyers

THE

"MATER"

LENS FRONT (Regd.)

CLINICAL THERMOMETER.

P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.
Made in Three Repetitions: Ordinary, 1 Minute and 3 Minutes.

New Price List of Thermometers for
every purpose, post free.

PERKEN, SON & CO., LTD.

ESTABLISHED 1861.

Contractors to H.M. Government.

99 Hatton Garden, LONDON.

"ADVANCE IN PRICE"

Falconer's Golden Compound

On and after July 1 will be advanced to 2 -

The Proprietors regret that owing to the exceedingly high cost of production, coupled with a just demand of their Agents for improved terms to meet also their great expenses, they are compelled to advance the price to 2.

They, therefore, hope the Dealers will reduce their stocks to the lowest minimum, so as to obviate the necessity of adding the increased Stamping Duty, Labelling, &c.

Falconer & Co., Ltd., *Manufacturing Chemists,* 47 Mark Lane, London, E.C.3.

EUREKA

Weed Killer, Lawn Sand, &c.

HAYWARD'S

Yellow Paste, Liquid, &c., Dips.

Only M. in —

TOMLINSON & HAYWARD, LTD.,
LINCOLN.

SPECIAL CLEARANCE OFFER

OPAL POTS WITH ALUMINIUM CAPS

22 gross, 1-oz., 27/6. 15 gross, 2-oz., 37

WHITE FLINT TALL VIALS

2-dr., 9/- 4 cases of 48 gross.

HERBERT M. LONGCROFT & CO., LD.

16 Clerkenwell Road, LONDON, E.C.

ART OF DISPENSING. (9th Ed.) 5/-, by post 5/6

VETERINARY COUNTER PRACTICE. 6/-, by post 6/6

CHEMIST'S DICTIONARY OF MEDICAL TERMS. 3/6, by post 3/9

THE CHEMIST AND DRUGGIST, 42 CANNON STREET

*Alterations in Prices***SQUIRE & SONS' PREPARATIONS****FEROCAL****SQUIRE'S CHEMICAL FOOD**

From June 1st the prices of Ferocal will be as follows :—

Old Price Face Value	New Price Face Value	Minimum Retail	Minimum Wholesale per doz.
2/-	2 6	2 6	22 6
3/3	4/-	4/-	36/-
5/-	6/6	6/6	58 6

Old Price Retail		New Price Retail	June 1st Minimum Wholesale Price per Dozen
2 -	Aromatic Ess. of Senna	2 6	22 6
3 6	" "	4 6	40 6
1/3	Corisol	2 -	18/-
3 -	Elixir Colloid	3 6	31/6
	" Hypophysis Cereb.		
3 6	" Thyroidei	6 0	58 6
9 6	" Terperoin	12 -	108 -
3 6	Fermanglobin	4/-	36/-
6 6	" "	7 6	67 6
1 3	Sennaine (Syrup of Senna)	1 6	13 6
2 -	" "	2 6	22/6
3 6	" "	4/6	44 6
5 6	" "	6 6	58 6

SQUIRE & SONS, LTD., *His Majesty's Chemists,*
413 OXFORD STREET, LONDON, W.1.

EVANS'

Analytical Notes

1914—1919

This résumé of the work done in our Analytical and Research Laboratories has been posted to all our customers—if you are interested, and have not received a copy, one will be sent on application.

EVANS SONS LESCHER & WEBB LIMITED

56 Hanover Street
LIVERPOOL.

60 Bartholomew Close
LONDON - E.C.1

JOB BROTHERS

GUARANTEED PURE GENUINE

NEWFOUNDLAND NON-FREEZING

MEDICINAL COD LIVER OIL

IS THE FINEST OIL PRODUCED

It is perfection in colour, smell, taste and absolute purity.
Manufactured from the finest fresh Cod Livers on same
day as fish caught.

WHOLESALE ONLY

JOB BROS., Manufacturers, Tower Building, LIVERPOOL

Telegraphic Address: "JOB LIVERPOOL"

Tel. 1039 CENTRAL

And of ST. JOHN'S, N.F.

Established 1780.



MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined
with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled
and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones:
Nitshill-Pollakshaws 14
London-Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

Telegrams:
"Perryope, Nitshill"
"Perryope, Ltd.,
London"

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Maw's Page

No. 451

5:6:20

"The Advent of the Straw Hat."

THE sudden spell of hot weather has brought us once more face to face with the holiday season and all its business possibilities.

It is difficult while the weather remains cold to convince ourselves that it is expedient to order stocks which depend for these sales on the coming of hot weather and holidays. We feel tempted, therefore, to put off ordering until the advent of the straw hat and the parasol make it apparent that summer really intends to visit us as usual. The change of weather following Whitsuntide has convinced us that the sun really will shine this summer just as he did last summer and the summer before, that people will bathe and get sunburnt, that gnats and mosquitoes will sting, and that the same opportunities for business will present themselves to the pharmacist as always do present themselves at this season. Probably you are prepared; but if you have not already placed your orders for the summer business it is high time to do so. Here are a few lines from the House of Maw which have proved themselves good sellers.

Bathing Caps—we hold an excellent selection. Various patterns, assorted colour schemes to please the most fastidious taste and to suit every purse.

With the long summer evenings, and their accompanying troublesome gnats and mosquitoes, people are always ready to buy a preventive to their bites. We have Antignat Powder, also Lotion.

Holiday makers are naturally buyers of all kinds of toilet requisites. Here are a few of the famous "Parex" Regd. Preparations manufactured by the House of Maw: "Parex" Bath Powder, Beauty Leaflets, Cold Cream, Vanishing Cream, Hair Wash, Dental Cream, Shampoo Powders, Floral Sachets, Massage Cream, Shaving Stick, and "Parex" Toilet Paraffin.

Prices and particulars on application.

JUNE						
Sun	Tues	Wed	Thurs	Fri	Sat	
	1	2	3	4	5	
	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		



S. MAW, SON & SONS, LTD

7-12, ALDERSGATE ST., LONDON, E.C.1, England.



For Congestion and Colds— SELL MUSTEROLE.

Miller's Musterole is a clean, white ointment, made with oil of mustard. It does all the work of the old-fashioned mustard plaster—does it better and does not blister.

Your customers will appreciate the convenience of Miller's Musterole, for it eliminates all troublesome mixing of mustard, flour and water for making plasters. Rubbed in briskly, it brings quick relief in all cases of congestions, colds, sore throat, bronchitis, asthma, neuralgia and kindred ailments.

Miller's Musterole is recommended by many doctors and nurses, and millions of jars are sold annually. It comes in handy form ready for immediate use.

This practical remedy is now being widely advertised in the press of the United Kingdom. Get your share of Musterole sales by ordering a supply to-day. Prices and additional information on request.

The Musterole Co., Cleveland, Ohio.

Sole Agents: Thos. Christy & Co., 4-12 Old Swan Lane, London, E.C.4



Clarke's Blood Mixture

AND OTHER PREPARATIONS

Owing to the increase in cost of Material, Labour, &c., the Lincoln and Midland Counties Drug Co., Limited, find it necessary to advance the face value price of their Preparations to full extent allowed by the Inland Revenue Stamp, viz.:—**1/3, 3/- 5/- and 12/- the Retail Selling Prices** respectively, instead of 1/1½, 2/9, 4/6, and 11/- as heretofore.

BEST WHOLESALE TERMS

				£	s.	d.		£	s.	d.		
3/-	size	Clarke's Blood Mixture	...	1	7	0	per dozen	16	4	0	per gross	net
12/-	"	"	"	5	8	0	"	64	16	0	"	net
1/3	"	Clarke's Patent Skin Lotion		0	11	0	"	6	12	0	"	net
1/3	"	Clarke's Miraculous Salve	...	0	11	0	"	6	12	0	"	net
3/-	"	"	"	1	7	0	"	16	4	0	"	net
5/-	"	"	"	2	4	6	"	26	14	0	"	net
1/3	"	Clarke's Special Aperient Pills		0	11	0	"	6	12	0	"	net
3/-	"	"	"	1	7	0	"	16	4	0	"	net
5/-	"	"	"	2	4	6	"	26	14	0	"	net
1/-	"	Clarke's Medicated Soap	...	0	9	0	"	5	8	0	"	net

No order supplied direct for less amount than £16 4s., which may be an assorted order for Clarke's Blood Mixture and other Preparations. All Wholesale Houses keep a large stock of our Preparations, and can supply smaller orders promptly.

TERMS—Prompt Cash 7 days from date of invoice. **Carriage paid on £100 orders** for cash in 3 days from date of invoice.

Cases charged at cost and allowed for in full when returned in good condition.

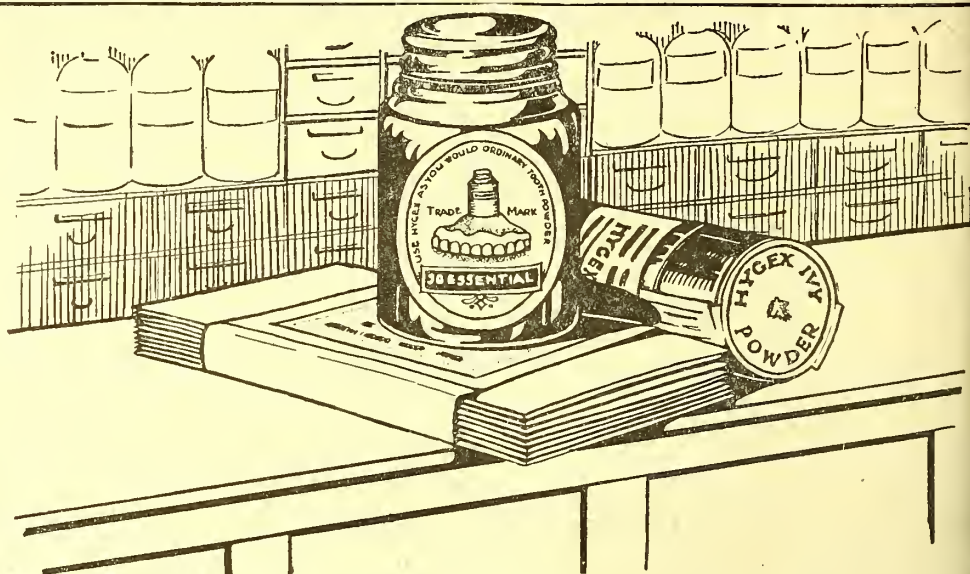
Satisfactory Trade references required in opening new accounts.

**Above Prices will give a Profit of
33½ % on cost to the Distributors**

Sole Proprietors:

**THE LINCOLN & MIDLAND COUNTIES
DRUG CO. LTD.**

PARK STREET, LINCOLN



Make these your "counter attractions"

HYGEX preparations are a new departure in dental commerce. HYGEX is a name which embraces lines of a distinctive nature appealing to all who possess artificial dentures.

If teeth extraction is one of your "lines," there is no better mouth wash to offer your patient than **HYGEX MOUTH WASH**, which quickly stops bleeding and rapidly heals and hardens the gums. Pleasant and safe in use. (Retail 1/3 per doz.) Per gross packets

10/6

The best cleansing agent for all who use artificial teeth is **HYGEX Artificial Tooth and Plate POWDER**. This powerful antiseptic preparation satisfies its users and yields a good profit. Per doz. pots, packed in cardboard boxes (Retail 1/3 per pot)

10/6

To please your patients with gain to yourself, recommend **HYGEX IVY POWDER**, a dainty and very pleasant form of Tragacanth. Per doz. boxes, with sprinkler tops

24/-

Our national advertising, now in progress, will cause a large demand, and it would be advisable to stock up to meet it.

Hygex

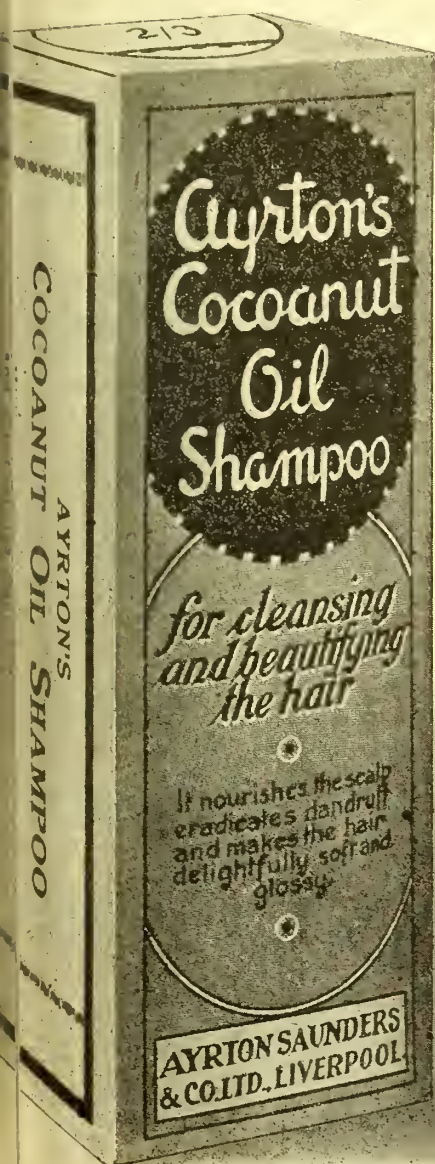
DROP US A
POSTCARD
AND OUR
REPRESENTATIVE
WILL CALL

HYGEX LTD., 14a Atlantic Road, Brixton, London, S.W. 9

AYRTON'S WEEKLY

PAGE
15

Introducing Ayrtton's Cocoanut Oil Shampoo
The perfect hair and scalp cleanser.



Thoroughly cleanses the Hair and Scalp, nourishes the hair cells, thus helping to promote a luxuriant growth of hair. Its frequent

use will not cause the hair to become dry or brittle, and will help to eradicate dandruff.

It is neither sticky nor greasy.



Handsomely packed in 4-oz. sprinkler-top bottles attractively labelled and cartoned.

Retail - - - each, 2/3
Wholesale, per doz. 16/6

Show Material free with all orders.

**AYRTON,
SAUNDERS
& CO. LTD.
LIVERPOOL**

GERMOLENE

The Aseptic Skin Dressing

and the Companion Remedy

GERMOLETS In Tablet form, for Blood
and Skin Troubles.

Germolene is Advertised on the same
grand scale as Dr. Cassell's Tablets.

Special Introductory Offer:

Small parcels direct by Parcel Post
on following terms:—

5% Discount on any quantity of Germolene and
Germolets, provided you display showcards in
your window. Also **2½% Discount** for Cash in
30 days. Goods carriage paid.

<i>Large size,</i>	<i>30/- per doz.</i>	} <i>Sells at Face Value</i>
<i>Small ,,</i>	<i>12/5 ,, ,,</i>	
		<i>3/- & 1/3</i>
<i>Profit 30% on cost.</i>		

The public complain that Germolene cannot always be
obtained, owing to Chemists being out of stock.

ORDER AT ONCE.

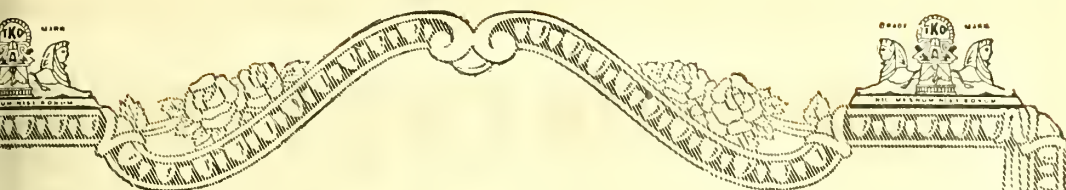
GOODS EXCHANGEABLE.

The VENO DRUG CO., Ltd.

Manufacturing Chemists,
MANCHESTER, ENGLAND.

Telegrams: "SEAWEEED MANCHESTER."

Telephone: 422 TRAFFORD PARK.



TO keep in touch
with our prices ask
us to post you our
monthly lists as issued.

During the last twelve months nearly a hundred items have been added to the list, and there have also been many price fluctuations, rationing changes, etc. It is impossible to keep your knowledge of our activities up-to-date unless our monthly list is on your desk.

Send a postcard now, while the matter is fresh in your mind, asking us to post you a fresh list at the beginning of every month.



THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

COPYRIGHT

Testimony that MUST Convince

ALKIA SALTRATES and **REUDEL BATH SALTRATES** are used and highly recommended by **HORATIO BOTTOMLEY, GEORGE ROBEY, JIMMY WILDE, GEORGES CARPENTIER**, and hundreds of other well-known people whose names, here mentioned by special permission, are sufficient guarantee that our products possess merits above any others in their respective lines.

NO WONDER every sale always means a satisfied customer. He thenceforth becomes a regular purchaser of our lines whenever anything of the kind happens to be needed.

Your customer requires no persuasion after he has once given our preparations a trial. He then **knows** they are just what he wants, and is interested in no others. In other words—after you make the first sale our goods go on selling themselves.

Alkia Saltrates

A widely advertised product, which represents the maximum of possible efficiency in a saline, and the best value obtainable for the money. Being highly concentrated, exceptionally small doses are sufficient, and there is no trace of any salty or other unpleasant taste.

Reudel Bath Saltrates

The best selling and most fragrant, refreshing, beneficial, and all-round satisfactory preparation for the bath or for general toilet purposes.

Especially recommended in cases of foot trouble, or rheumatic pains, stiffness, etc. Now being extensively advertised.

They are as near perfection in their respective fields as it is humanly possible to get them, regardless of cost or selling price.

YOU CAN STOCK THESE RAPIDLY MOVING LINES ON GUARANTEED SALE TERMS.

Carriage Paid in United Kingdom on orders for three dozen, which may be assorted.

Showcards of strong selling power sent free on request.

WE CAN GUARANTEE IMMEDIATE DELIVERY
OF ORDERS FOR ANY QUANTITIES.

PRICE CHANGES (operative on and after March 19, 1920).

Alkia Saltrates New Selling Price **3/3** (formerly 2/9).

Reudel Bath Saltrates New Selling Prices **2/-** and **3/3** (formerly 1/9 and 2/9).

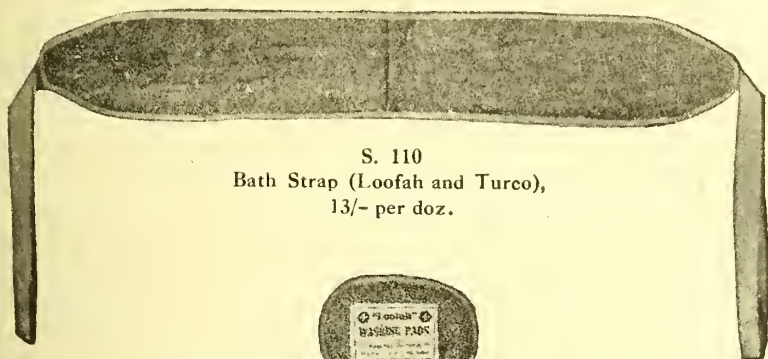
Kalsel New Selling Price **2/6** (formerly 1/9).

Special Stickers for existing stocks will be supplied post free on request. State number of each required.

SALTRATES LIMITED, 214 Great Portland Street, London, W.1.



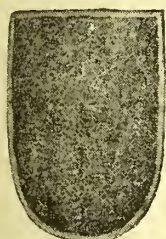
Seasonable Goods



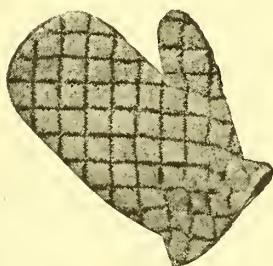
S. 110
Bath Strap (Loofah and Turco),
13/- per doz.



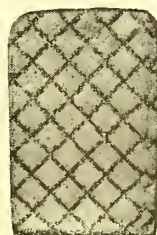
S. 1870
Loofah Washing Pad,
3/6 per doz.



S. 1842
Sponge Glove
(Loofah and Turco),
12/- per doz. pairs.



S. 1847
Sponge Glove
(Turco),
21/- per dozen pairs.



S. 1846
Sponge Glove
(Turco),
12/- per doz. pairs.

CUXSON, GERRARD & CO., LTD.

OLDBURY, NEAR BIRMINGHAM.

Export Inquiries Specially Invited.

IMPORTANT ALTERATIONS

IN THE PRICE OF

FULFORD GOODS

ON June 1st the Price List on the opposite page comes into force. A special letter explaining the reasons for, and the benefits of, the new list has been posted to all the trade. If your copy does not arrive, please send postcard.

Summary of Leading Points about Price Lis

1. Your profit is increased substantially on Peps, Bile Beans, Ker-nak, and Ven-Yusa Cream, etc.
2. Zam-Buk Soap and Ven-Yusa Soap have been increased in price. Your profit goes up also.
3. Ven-Yusa Cream at one shilling has been a good advertisement. Now it is 1/6 and your profit is $33\frac{1}{3}\%$ on sale, plus 5 % window-show terms.
4. If the selling scheme is a success and we have your co-operation, we hope to increase the price of Zam-Buk later. It is already increased in Ireland.
5. Price Labels will be supplied on request for Peps, Ven-Yusa Cream and the soaps. Existing stocks of Bile Beans and Ker-nak should be sold at the old price or returned for exchange, as the new 2/- and 4/6 sizes contain a larger quantity of pills.

LEEDS

C. E. FULFORD, Ltd.

C. E. FULFORD, Ltd.

CARLTON HILL, LEEDS.

Wholesale Price List

Telegrams:
GLADIATOR
LEEDS."

Telephone No.:
20117 LEEDS
(Three lines.)

JUNE 1st, 1920.

			Net	Minimum Retail Price
BILE BEANS	....	....	2/- size 19/- dozen	2/-
"	....	....	4/6 " 38/-	4/6
ZAM-BUK	....	....	1/3 " 13/-	1/3
"	....	....	3/- " 28/6	3/-
"	....	....	5/- " 49/-	5/-
"	....	....	12/- " 9/- each	12/-
PEPS	....	....	2/- " 19/- dozen	2/-
"	....	....	5/- " 42/-	5/-
ZAM-BUK SOAP	....	....	1/3 " 11/-	1/3
FULFORD POWDER	....	....	1/6 " 13/-	1/6
(Patent Container with Puff.)				
REFILLS do.	....	....	10d. Pkts. 6/6	10d.
VEN-YUSA CREAM	....	....	1/6 size 12/-	1/6
" SOAP	....	....	8d. " 6/-	8d.
" SHAMPOO POWDERS	....	....	1/6 " 13/6	1/6 pkt.
(7 3d. Shampoos in pkt.)				
" do. (Cartons contg. 6 Doz.)	....	....	3d. " 132/-	3d.
ZAM-BUK FOOT BATH	....	....	1/3 " 12/-	1/3
KER-NAK PILLS	....	....	2/- " 18/6	2/-
"	....	....	4/6 " 38/-	4/6

All Orders CARRIAGE PAID.

Large Size is exchangeable at any time for Small.

THE ABOVE PRICES ARE STRICTLY NET CASH THIRTY DAYS.

PENNYROYAL

SPIKE LAVENDER

ROSEMARY

CAMPHOR

JUNIPERWOOD

RED THYME

JUNIPERBERRY

WHITE THYME

EUCALYPTOL

LAVENDER FLOWERS

CRYSTALLIZABLE

CHAMOMILE FLOWERS

STRAMONIUM
LEAVES

THYMOL

CRYSTALS.

QUINCE
SEEDS

LONABARC TRADING COMPANY, Ltd.

5 FINSBURY SQUARE, LONDON, E.C. 2.

Phone: CLERKENWELL 2096.

Grams: "LONABARC, FINSQUARE, LONDON."

TRADE NOTICE

Alteration of Price for

BLENOSAN CAPSULES

It has been found necessary at length, owing to the ever-increasing cost of production and raw materials, to revise the price of "BLENOSAN CAPSULES" to

Per Dozen Tins, **36/-**

RETAIL SELLING PRICE,

4/6 per tin.

ROBERT FERBER LTD.

98/104 Oakley St., Lambeth,
London, S.E.1.

NEROLI BICARADE

NEROLI "D'ITALIA"

Pure Sicilian Essential Oils
Terpeneless Essential Oils

The Best on the Market

EXPORTATION THROUGHOUT THE WORLD

Export Agent:

GIUSEPPE MACAJONE, MILAN

Via Canova 25

(Italy)

PREMO

*Concentrated Essences,
Floral Ottos & Compounds*
r Making all kinds of Toilet Preparations



It's a genuine pleasure to make and sell
your own Toilet Preparations when you
use the famous Premo Essences, etc.

The Premo Products are expressly made for Toilet Preparation
Manufacture, and are ready for immediate use. All distilling, filtering,
blending, etc., are dispensed with. No other Essences are so simple
to use, so easy to mix, or give such delightful and economical results.

Send for Free Samples.

PREMO CONCENTRÉ & ESSENTIAL OIL COMPANY,
32 HOLBORN, LONDON, W.C. 1. 32 RUE DE MONTENOTTE, PARIS.
Telephone: HOLBORN 3095. Telephone: WAGRAM 27-35.

NESTOR MOURANCHON.

Offices: 40 Rue Damremont, PARIS. Telegrams: "Barthgay Paris." Telephone: Marcadet 157
Distilleries and Laboratories; Chateaufort-Val-St.-Donat (nr. Grasse), and Romans (Drôme).

SPECIALITIES: Menthés, Neroli, Petitgrain, Patchouli,
Otto of Rose, Violet Essence, Gant de Saxe.

"ESSENCES DE MONTAGNE" and Imported Products
Lavender, Aspic, Thyme, Giroflé, Badiane, Geranium,
Ylang Ylang, Musk, Ambre.

PRICE LIST ON APPLICATION TO WHOLESALERS ONLY

Sole Agents for British Isles and Colonies:—

A. BREZET & CO. LIMITED,

19 ST. DUNSTAN'S HILL, LONDON, E.C. 3.

Telephone: Avenue 3543.

Telegrams: "Abrezical, Phone, London."

NO INCREASE!!

The greatly increased duty on Spirit means a corresponding rise in the cost of Perfumery. Our friends would do well by stocking "Lescol Illusions" **no increase in price.** Each bottle is equivalent to a 3-oz. bottle Spirituous Perfume.

Supplied in following Odours: Lily, Parma Violet,
Carnation, Trefle, Mimosa and Sweet Pea

Write for our Price List for these and all other Lines in Stock.

THE LESCOL PERFUMERY CO

(Proprietors, The London Essence Co., Ltd.)

Lomond Grove,

Camberwell, London, S.E.

Phone: 810 Hop.

Telegrams: "VANILLIN, CAMBER, LONDON."

Odclon

Telegrams :
"Odclon, Edge, London."
Telephone :
Paddington 3333.

GENUINE EAU DE COLOGNE

Distilled in London from

ORIGINAL FORMULA

of

Johann Maria Farina
BORN 1685

Acquired by a BRITISH OFFICER whilst serving in Cologne.

Guaranteed "DOUBLE" Eau de Cologne and up to pre-war standard.

Odclon, Ltd.

43 Edgware Road,
London - - W.2.

(A Syndicate of ex-Officers).

British Proprietors of Johann Maria F. Farina, St. Joseph, 1648, Original

TERPENELESS OILS BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS :
Anethol

Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill

CINNAMIC
ALDEHYDE
GERANIOL

Geranium
Ginger
Juniperberry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CORAL
EUCALYPTOL

— SICILIAN —
LEMON - BERGAMOT
ORANGE - MANDARINE.

— SPINELLI —

The Oils that have a Long
Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E.1.

B.C. Code, 5th Edition.
Western Union.

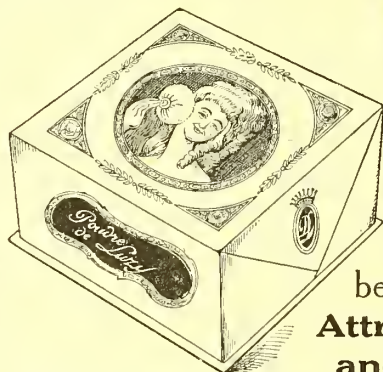
Telegrams : "LANDSLOH LONDON."
Telephone : Hop 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman Street, NEW YORK.

CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

AVANT!!

For us, at least, the slump seems over. This week we record: 30 INQUIRIES, 15 NEW ACCOUNTS, TWO LARGE SHIPPING ORDERS, AND A BIG BATCH OF REPEAT ORDERS.



ROSINE and DE LUZY

are going ahead
because they are
**Attractive, Good
and Profitable.**

POUDRE DE LUZY

10d.-6/8 doz. 1/9-14/- doz. 3/3-26/- doz.
Free Showcards and Samples with any order. For
the convenience of chemists stock is now held by
Butler & Crispe, May, Roberts, & Sangers.

PARFUM

PIERROT (Rosine)

Paul Poirer's most beautiful creation, 28/6 tall,
less 33 1/3%. Satin Pierrot for display free with doz.
Shows 9/6 profit on a single sale.



W. H. CALNAN & CO., 30-32 LUDGATE HILL, LONDON, E.C.4.

For LARGE BUYERS

For SHIPERS

Good Toileter Goods

SHAVING STICKS.
BRILLIANTINES,

DRY SHAMPOO (Liquid and Powder), BAY RUMS, TOILET
PARAFFINS, LIME CREAMS, POMADE HONGROISE, TOOTH
POWDERS, DENTAL CREAMS, VANISHING CREAMS,
SHAMPOO POWDERS, and all TOILET GOODS.

SAMPLES AVAILABLE

C. A. STOKES & CO., Ltd., 11 Eclipsol Works, BISTOL

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone—
CITY 2468.

Telegrams—
"EGDARF, FEN, LONDON."



"DOUBLE 7"

IN "DOUBLE 7" we are presenting a superb vanishing cream whose subtle charm is far superior to the usual run of face creams now being offered in such numbers and variety.

cannot be too careful about the face creams you supply to your customers, ladies will judge your other goods by the quality of your toilet articles—them be good.

"DOUBLE 7" presents the ultimate in pharmacy as applied to cosmetics. Raw materials employed are undeniably pure, the perfuming agents are mixed with the highest possible skill.

The result is "DOUBLE 7"—the very finest delicate Pink Cream of a refining nature to be obtained.

"DOUBLE 7" is packed in a style quite original, decidedly modern, and tactically attractive.

The carton is in bold black and white with a single small red seal in the bottom left-hand corner.

Looks good—it is; and the price is 8/6 per lb.

Supply showcards of the same modern design, with all orders if asked for.



A New Vanishing Cream
of Distinction.

THE BEST SOAP PROPOSITION

Some Suggestions to the Trade.

The SAPON SOAP Display Box



Overstocking your shop is a bad policy. To be "out of stock" is equally bad. You lose prestige, and your sales drop, because dissatisfied customers go quick to get elsewhere.

Therefore we urge all customers who are building up a sale for

SAPON SOAP

to send small orders often.

Although our Works are working under great pressure, demand is so great that we are unable to guarantee prompt delivery on receipt of order. Our manufacturers will greatly assist us, therefore by anticipating requirements by month when possible.

No payment till after goods arrive.

Remember, we are in no way connected, directly or indirectly, with any combine of Soapmakers.

"Sapon" Soaps show you better profit than other makes.

Send for price list and particulars of our window display bonus offer.

SAPON SOAPS, LTD., London Bridge, E.C.4.

Perspiration Troubles

LET US SEND YOU BUSINESS

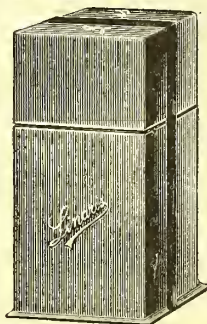
There is a growing demand for Dulc-o-do, the toilet water which corrects excessive perspiration and obviates the use of dress shields. A doctor writes: "I find it a splendid preparation."

Send 20/- for a trial dozen 2/6 bottles and showcards, your name will then be placed on our depot file and all future inquiries from your district will be directed to you.

Dulc-o-do

Corrects Under-Arm Perspiration

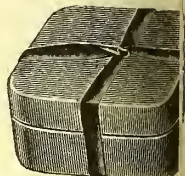
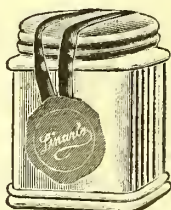
Scott's Chemical Co.,
47, Huddleston Rd.
London, N.W.2



Linars

BATH POWDERS
FACE POWDERS (all tins)
SKIN FOOD
BEAUTY CREAM
TONIC CREAM
VANISHING CREAM
BATH SALTS, etc. etc.

Linars
Dept. 1
W.2.
31 Westbourne Grove



PRICE'S REGINA Shaving Stick



*The Fact that
this fine Shaving
Requisite is*

**WELL ADVERTISED
HIGHLY POPULAR and
VERY PROFITABLE to
YOU**

*should induce you to stock
the home produced article
in preference to imported
Shaving Sticks*

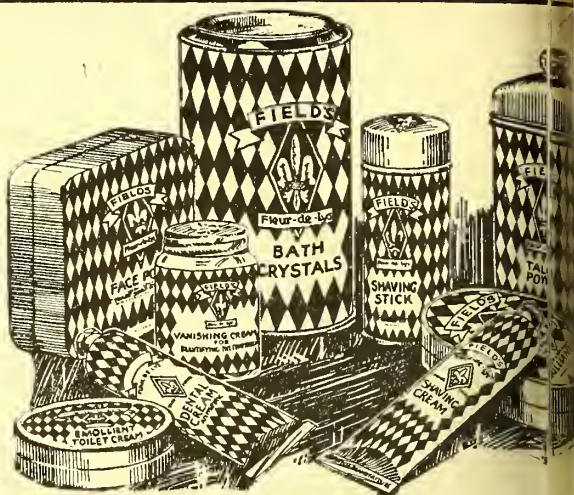
**ORDER "REGINA"
AND HELP THE EXCHANGE**

Samples & Quotations from
PRICE'S
BATTERSEA, LONDON, S.W.11

IN their presentation to the public, Field's Fleur-de-Lys Toilet Preparations strike an entirely new note. They are daintily packed in containers covered with a very arresting yet dignified design of old gold and black diamonds, that cannot fail to attract the attention of your customers, and convey a very pleasing impression.

These lines are all a lucrative source of profit to you, and their quality, and the very attractive manner of their presentation to the public, assure that the advantageous terms offered you are regular and continual.

Their quality is backed by our high reputation—nearly 300 years old.



FLEUR-DE-LYS

Toilet Preparations^{REGD.}

J. C. & J. Field, Ltd., Upper Marsh, Lambeth, S.E.

Estd. in 1642, in the reign of Charles I.

LOTOZONE

SHAMPOO DE LUXE

A superior tonic and hygienic Shampoo at a popular price. Packed in dainty slide cartons. Elegant in appearance and delightful in use. Perfumed with Irish Elegance. Counter boxes supplied.

Full particulars on request.

THE EVAN WILLIAMS COMPANY, LIMITED, 18 Ogle Street, LONDON, W. 1.

TOILET PREPARATIONS

LOTOZONE TOOTH PASTE
LOTOZONE CREAM
LOTOZONE FACE POWDER
LOTOZONE POWDER PAPER

The Shampoo Salesman, free on application, gives full details of prices and profit.

WE ARE ACTUAL MANUFACTURERS OF POWDER PUFFS

Send for Price List of our Special Lines of Wool Pads and Mignonnettes.

WHOLESALE AND EXPORT ONLY.

BRUSSELS. THEO. VAN DER HEYDEN,

118-122 HOLBORN, E.C. 1. Tel.: Holborn 1873.

PARIS:
17 Rue de la Grande
Batelière.



DISPLAY.

Our new 3 Tablet Box

has been delayed by difficulties of manufacture and material which at times seemed insuperable.

We now have sufficient supplies and will put up as large a proportion of each order as possible, not exceeding one third, in this way without extra charge.

We ask our friends to requisition for soap in dozens as heretofore, leaving to us the proportion to be boxed, with our assurance that fair treatment will be accorded in every case.

J. & F. PEARS, Ltd.,
715, New Oxford Street,
LONDON, W.C. 1.

Pears



Agents: PARIS.—A. W. Scott, 38 Rue du Mont Thabor. CANADA.—W. W. Barry, 1 Port Street, Montreal.

WAVCURL

THIS article has now been sufficiently long before the public to enable them to sample its merits. This public have done on a large scale, and many delighted users have come again and again to the retailers they buy from for further supplies. The demand has been extraordinary. At first the proprietors tried to cope with it per post, but they soon saw that this was too cumbersome and tedious a method, and they are now gladly availing themselves of the services of the trade. Wavcurl is a first-class seller and a first-class payer, too. The profits are all they should be on a toilet line, as any reader can see for himself in the P.A.T.A. Protected List. Forty per cent (40%) should surely awaken your interest, especially in a line that sells so sight. All classes of ladies, from the titled dame to the factory worker, are using it as their readiest means of keeping themselves attractive, notwithstanding the great demand there is just now upon their time. To the user it is a great time-saver; to the seller, a great money-maker. We invite your application for Showcards and Dummies for window-dressing. A Wavcurl window-show in an industrial or factory area will simply make the shillies shower into your till. Address post card to

THE WAVCURL CO.,
FULWOOD HOUSE, HIGH HOLBORN, W.1

	Per doz.		Per doz.
1/6 Wavcurl (in packets) ...	9/-	1/6 Duvetine (Superfluous Hair Remover) ...	...
2/9 Wavcurl (in bottles) ...	21/-	1/6 Wavcurl Hair Tonic (9 in Powdered Form) ...	...
1/6 Complexion Cream ...	10/-	1/6 Eyelashine ...	...
2d. Shampoo Powder ...	15/-	1/6 Showcards for Window Dummies for Show ...	...
	gross.		

STOCK CAMILATONE and please the ladies.



It is always profitable to suit the requirements of women, especially when their hair is concerned. If you stock Camilatone Hair Beauty Shampoos you will develop a big counter trade with the ladies, for it restores to dull or faded hair all the glossy lustrous shades of youth. Order a supply to-day.

IT IS SIMPLE TO SELL. SHOWS A GOOD MARGIN OF PROFIT. WE ASSIST YOU IN DEVELOPING THE BUSINESS AND HELP YOU WITH VIGOROUS ADVERTISING AND SHOWCARDS.

Camilatone

puts Sunshine in the Hair.

Write to-day for a copy of booklet, "Hair Beauty Hints," which will be sent post free together with trade terms.

Camilatone is obtainable from R. Hovenden & Sons, Ltd., Berners St., W.1, and City Road E.C.1, and Hollywell & Co., 44 Lexington Street, Golden Sq., W.1, or direct from

CAMOMILE TONIC CO.
16 Lichfield Road, London, N.W.2.

[C.L.2940]

THE "DIAMOND" GETS THE BUSINESS

whenever it's shown on the window—just as anticipated! No woman can resist its tempting message. Also it backs up the splendid Press Publicity on

Quin Quenna

BETTER THAN A SHAMPOO

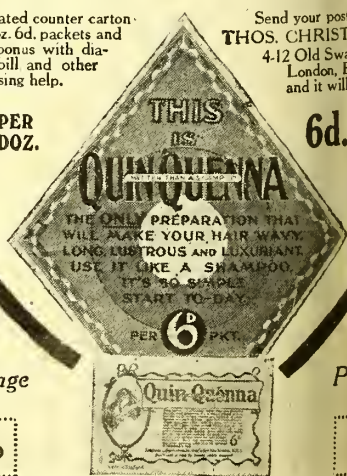
THE HAIR GROWER AND WAVE
THEN LET US SEND
YOU IMMEDIATELY

1 decorated counter carton of 6-doz. 6d. packets and 1-doz. bonus with diamond bill and other advertising help.

Send your postcard to
THOS. CHRISTY CO.
4-12 Old Swan Lane,
London, E.C.1,
and it will be

4/- PER DOZ.

6d. CH. I.T.A.



Carriage

43%

P.L.

3%

MIDGLEY'S MEDICATED SOAPS

Boric, Camphor, Carbolic, Eucalyptol, Ichthyol, Iodoform,
Lanoline, Menthol, Mercury, Naphthol, Resorcin,
Salicylic, Sulphur, Tar, and Combinations

TOILET SOAPS

Unwrapped Ovals
46/-gross

Superfatted

Bath Rounds
92/-gross

SOAPS de LUXE

Including White Rose, Rose Leaf, Eau de Cologne,
Lavender, Imperial Violette, Santal, &c.

TOILET SUNDRIES

Special Depot
for the Leading
French Perfumes
and TOILET
SPECIALTIES



MAKERS
OF
and
DEALERS
IN

Manicure
Preparations,
Dressing Combs,
Shaving Brushes,
Tooth Brushes,
Nail Brushes,
Perfume Sprays,
Powder Puffs,
Puff Boxes,
Soap Cases,
Sponges.

MANUFACTURING PERFUMERS,
DRUGGISTS' SUNDRIESMEN

PHARMACEUTICAL PREPARATIONS
SURGICAL DRESSINGS, SYRINGES, Etc.
PATENTEES OF THROAT SPRAYS.

ADDRESS ORDERS AND INQUIRIES TO
NEW WORKS & SHOWROOMS:

289-325 City Rd., Manchester

A. BOURJOIS & Cie, Ltd.

66 CARTER LANE - LONDON, E.C. 4.

Please note that the prices of
Poudre de Riz de Java (Bourjois)
 are as under :

2/- size. No. 45	1/3 size. No. 495
1 doz. - 16/- per doz.	1 doz. - 11/- per doz.
6 „ - 15/9 „	6 „ - 10/9 „
12 „ - 15/6 „	12 „ - 10/6 „

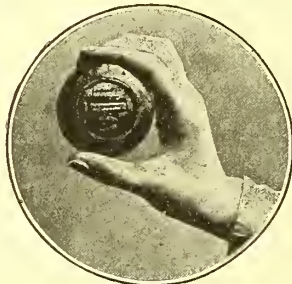
The P.A.T.A. prices for Java Powder have been increased to
 2/- and 1/3 per box.
 May 1, 1920.

MOUSLEY'S "BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality
 Brown
 Fur,
 3/11
 each,
 Retail.



G. quality
 Grey Fur,
 4/6
 each,
 Retail.

Additional Powder Bags, 6d. each, Retail.

Revolution in Powder Puff Manufacture.

Thousands already sold.

Now stocked by leading Wholesale Houses.

Usual Trade Discounts.

Patentee and Sole Manufacturer:

F. A. MOUSLEY,
 Priest Bridge, Mortlake, London, S.W.14.

The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

J. KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London E.C. 4.

PROTECTS from all weathers, preserves the COMPLEXION
 SOFTENS ROUGH HANDS

MOKOL

FACE CREAM
 FOR THE SKIN

MOKOL

Reg. INDISPENSABLE IN THE HOME Re.

For LIBERAL Wholesale Terms write to—

THE MOKOL CO., 98 Hatton Garden, London E.C. 1.

STRODONIA Vanishing Cream

NOW SUPPLIED IN

ALUMINIUM

SCREW-CAPPED JARS.

10½d. size—7/6 doz. 1/3 size—10/6 doz

FROM LONDON WHOLESALEERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bon for window display and 5% discount cash, one month; £0/0 subject to 3-doz. 1/3 size Bonus for window display net; £1/10/0 subject to 3-doz. 1/3 size Bonus for window display net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

Think it over!

THESE ARE JUST THE LINES YOU WANT.

"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.



"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size	...	Cost 4/6 per dozen	Sell @ 7½d.
Large Size	...	" 8/- " "	" @ 1/3

Recommended by the Institute of Hygiene.

"LEONA" CREME DE BEAUTE

Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

"LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

POUDRE "LEONA"

Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

Every Line is a work of art.

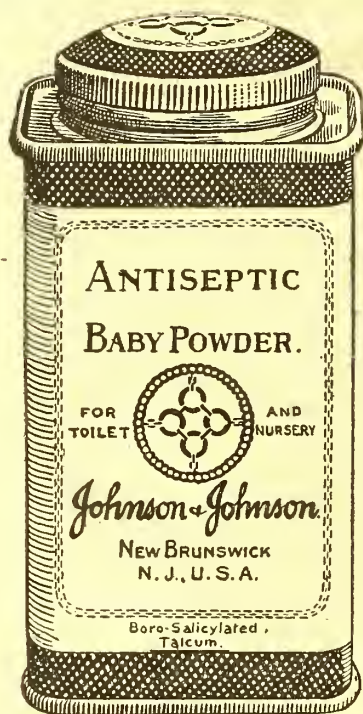
Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

Sole Manufacturers and Proprietors—

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C. 1.

**SOLD THE
WORLD OVER.**



Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON
British - Manufacture.

Made from the Best Talcums
and Delicately Perfumed.

Bonus given for order of 2 gross
and window display.

For particulars apply to—

JOHN TIMPSON & Co., Ltd.
104 Golden Lane - - E.C. 1.

The Chemists' Manfg. Co., Ltd.
AND
SHIRLEY BROTHER

QUITE NEW Madam Var's "Fairskin" POUDRE DE RI

In very elaborately decorated square tin boxes with
rounded corners. Each box containing a PUF
to retail at 2/6.

21/- dozen.



Special Bonus of 2 boxes
the dozen with opening
orders, so that for 21/- outlay you realize
35/-, which is over 65 % Profit on Cost.

HAVE YOU SEEN OUR NEW

BRONZED TINS

Assorted Gold, Silver, Violet,
Blue, Green, Heliotrope, etc.

The most attractive Containers ever offered to
Trade. Very high-class and ahead of anything
offered.

Tooth Powder Tins, $2\frac{1}{16} \times 1$	Gro 36
$2\frac{7}{16} \times 1$	42

Talcum Powder, Oval....	66
-------------------------	----

Equally suitable for Medicated
Dusting Powder, Baby Powder,
etc. etc.

Face Powder Boxes	81
------------------------	----

Square, round cornered, $3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$

Shaving Soap Cases	39
-------------------------	----

SAMPLES ON REQUEST.

Chemists wanting really high-class Containers
should not fail to see these goods.

123/5 Newington Causeway,
LONDON, S.E. 1.

LINDOL

ANTISEPTIC

Dental Cream and Dental Powder YIELDS $133\frac{1}{2}\%$ PROFIT.

Are you stocking any other line which shows you such a handsome return for selling? We unhesitatingly say there is none.

REMEMBER ALSO THAT THE QUALITY HAS NOT BEEN SACRIFICED IN ORDER TO PROVIDE THIS ASTOUNDING PROFIT.

	Min. Retail P.A.T.A.	Price per Doz.	Profit on Outlay
DENTAL CREAM.			
In tubes $4\frac{1}{2}'' \times 1''$, in cartons ...	1/-	5/10	112 $\frac{1}{2}\%$
In tubes $4'' \times \frac{3}{4}''$, in cartons ...	7 $\frac{1}{2}$ d.	3/8	112 $\frac{1}{2}\%$
DENTAL POWDER. In tins ...			
... 1/-	5/6	126 $\frac{1}{2}\%$	
" " " " " " ...	7 $\frac{1}{2}$ d.	3/4	133 $\frac{1}{2}\%$

Terms.—Monthly account 2 $\frac{1}{2}\%$ discount. Cash with order, an additional 1 $\frac{1}{4}\%$ discount.
Minimum direct parcel :—50/-, unless cash is sent with order.

You can obtain "LINDOL" from your usual wholesaler on these terms for any quantity, however small.

Selling Agents for the Provinces, Ireland and Export :—

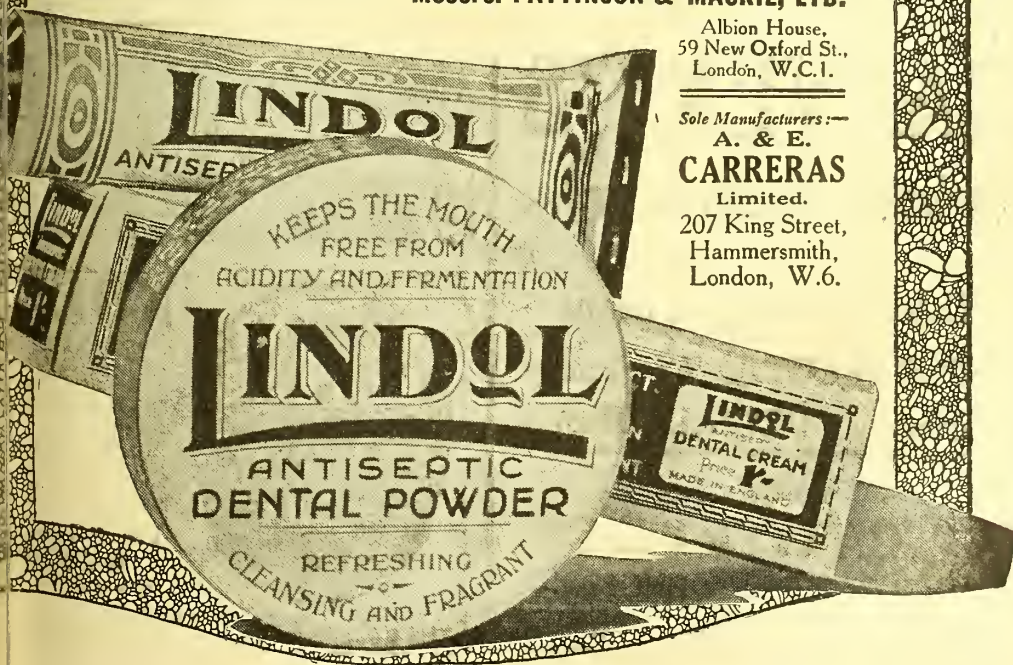
Messrs. PATTINSON & MACKIE, LTD.

Albion House,
59 New Oxford St.,
London, W.C.1.

Sole Manufacturers :—
A. & E.

CARRERAS
Limited.

207 King Street,
Hammersmith,
London, W.6.



Enolin

TOOTH PASTE "Strong" or "Mild"

THE SUPER PASTE

"Enolin" is also supplied in Powder Form - 6d. & 1s. Tins

Selling Agents for Provinces, Ireland and Export—

Messrs. PATTINSON & MACKIE, LTD.

Albion House, 59 New Oxford Street,
London, W.C. 1.

Sole Manufacturers and Proprietors—

A. & E. CARRERAS, LTD., Perfumers,

207 King Street, Hammersmith,
London, W. 6.

*If you have any difficulty
in obtaining the supplies
you need of*

CALVERT'S Carbolic Tooth Powder

OR

Calvert's Carbolic Soaps
DISINFECTANTS and
other SPECIALITIES,

WRITE TO

F. C. CALVERT & CO.
MANCHESTER - - ENGLAND.

All Chemists and Stores adjacent to Theatres and Music Halls
stock the famous

LEROZA Theatrical Cold Cream and
Grease Paint Remover.

Used and recommended by all the leading artistes, including The T. Bole,
Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores others
too numerous to mention. Sells at 1/9 per tin box (about 11 oz.) c. 1840
per dozen carriage paid. **Cash with order.**

From the Sole Inventor and Manufacturer, ARCHIBALD MOLE, OYE
The LEROZA THEATRICAL STORES, 71, 73 & 75 Cambridge St., LEWIS.

The Evan-Williams
Always in Great Demand.
Price List on Application.
The Evan-Williams Co., Ltd., 18, Ogle Street, L.
ORIGINAL STAMPOO



KOLENE
FOR THE HAIR

is sold in all parts of the
United Kingdom.

Sales run into millions daily.
Reduced.

1 1/2 Boxes Kolene	1/6
3d.	"
1 oz. Pots	"
2 "	"
3 "	"

These prices are strictly net.

KOLENE!
has a rapidly increasing sale.

Ask for one of our travellers to call, or order direct from
The KOLENE CO., 206 Stewart's Rd., London S.W.

VEN-YUSA

The Oxygen Face Cream

RETAIL PRICE on **1/6** *Per Pot*
and after **JUNE 1, 1920**

FOR a long time the public have been charged only one shilling for Ven-Yusa Cream. It has been a good advertisement and many new customers have been made. The public have had the advantage and we have had the advertisement. Now, however, the rising costs necessitate an advance in price to the real value of Ven-Yusa.

Ven-Yusa is a HIGH-QUALITY CREAM made of the highest grade materials and perfumes. At 1/6 it is much better value than many 2/- or 2/6 lines. A strong and attractive advertising campaign is in force.

Lastly—and the most important to you—

Your Profit is Increased

The Price is 12/- per doz. = $33\frac{1}{3}\%$ on TURNOVER,
plus Window Show terms 5% (£3 assorted orders).

ALSO ORDER

	<i>Retail</i>	<i>Price</i>
Ven-Yusa Soap,	8d. per tab.,	6/- per doz.
Shampoo,	3d. ,, pkt.,	22/- per gross
„	1/6 size,	13/- per doz.

C. E. FULFORD, Ltd.
CARLTON HILL, LEEDS
& 16 D'Olier Street,
DUBLIN.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

		Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP	-	10/-	1/-
A complexion soap.			
PROLACTUM	-	10/-	1/-
For the lips.			
PARSIDIUM JELLY	-	10/-	1/-
For wrinkles.			
ALLACITE of ORANGE	-	22/6	2/6
A dressing cream. BLOSSOM			
BORANIUM	-	22/6	2/6
A hair tonic.			
CLEMINITE	-	22/6	2/6
For a face lotion.			
COLLIANDUM	-	22/6	2/6
For a face tint.			
PERGOL	-	22/6	2/6
A deodorant.			
STALLAX	-	22/6	2/6
For a shampoo.			
JETTALINE	-	31/6	3/6
For clearing the skin.			
PHEMINOL	-	36/-	4/-
A depilatory.			
MENNALINE	-	36/-	4/-
For the eyelashes.			
MERCOLIZED WAX	-	31/6	3/6
A face cream.			
STYMOL	-	36/-	4/-
For oily complexions and blackheads.			
BARSYDE	-	22/6	2/6
Dandruff eradicator.			
TAMMALITE	-	22/6	2/6
For grey or faded hair.			
LIQUID PERGOL	-	31/6	3/6
To check excessive perspiration locally.			
BICROLIUM	-	22/6	2/6
For whitening the hands.			
HARAPOSA	-	22/6	2/6
Nut oil shampoo.			

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:

ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:

LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:

KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta)
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:

SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:

DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

FORHAN'S for the GUMS CHECKS PYORRHEA.

WHAT good dentifrice, specially formulated for the treatment of Pyorrhea and recommended by doctors and dentists, can you find customers from your shelves?

Forhan's for the Gums, originated by R. J. Forhan D.D.S., for use in Pyorrhea cases, and recognized by leading dentists everywhere, is such a potent factor in the fight against that dread disease.

Because the results achieved by Forhan's for the Gums in combination with Forhan's Astogen at the dentist's chair have been very gratifying, its use among Pyorrhea sufferers is rapidly growing.

You may earn the goodwill of your trade and profit from our effective sales campaign by stocking Forhan's now. It comes in combination tube form.

**FORHAN'S LTD.,
MONTREAL.**

Sole Agents:

THOS. CHRISTY & CO.,
4-12, Old Swan Lane, London,
E.C. 4.



COCOANUT OIL SHAMPOO

(Emulsified)

THE NEW POPULAR SHAMPOO

4-oz. Bottles - - 15s. doz.

ENORMOUS SALES !

Send all orders to

ARTHUR H. COX & CO. LTD
Manufacturing Chemists

**BRIGHTON
ENGLAND**

ESTABLISHED
1839.



Delphinus

TOILET PREPARATIONS

Face Cream, Dental Cream,
Brilliantine (Solid & Liquid),
Pomade Hongroise, Nail Polish,
Shampoos, etc.

Products of
Unvarying
Excellence

We do not incur heavy expense in advertising to the public, but prefer to give our Clients the benefit of increased profits.

Sole Agents for Scotland:
Messrs. HENDRY & SMITH & Co.
83 Renfield Street, GLASGOW

BE WISE! Write u
TO-DAY.

Prepared by
The Delphinus Mfg. Co.
45 Edward Street, Brighton.
Cables & Wires: Hongroise, Brighton.



Delphinus
TRADE MARK.

COPYRIGHT

THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Cologne).
(Regd.)



THE WORLD'S GREAT
PERFUME AND
REFRESHER IN
SOLID FORM

Retails (P.A.T.A.)
Minimum - 3/6
giving at least 10d. Profit
on each sale.
32/- - - - per doz.

For EXPORT quantities of
not less than four gross a
substantial drawback al-
lowance will be made.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

CARNATE (Regd.)

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Shin- ing and lasting polish.

Retails (P.A.T.A.) minimum 1/9; 15/- per doz.

ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE

Retail (P.A.T.A.) Minimum 2/3
21/- per doz., stamped.

R. DEMUTH'S LABORATORIES,

Telegraphic Address: "Boulbene London."

68 Salusbury Road, 21
Montrose Avenue, LONDON, W. 9

Telephone: 525 Vardere

COMBS

Combs are always in demand and the Chemist who displays them gets the Business. Below is a selection of good selling lines—try a few of them.

Ladies' Dressing Combs

No.		Size	Per Doz.
171	White celluloid ...	7 × 1½ in.	6/6
103	Black „ ...	7 × 1½ in.	6/6
102	„ „ ...	8 × 1½ in.	7/6
101	White „ ...	8 × 1½ in.	8/-
112	Dove colour, non-inflammable	8 × 1½ in.	8/-
123	Assorted „ „	7 × 1½ in.	8/-
121	Black celluloid burr grailled ...	7½ × 1¼ in.	13/6
116	Shell „ „ ...	7½ × 1¼ in.	13/6
173	Black „ „ ...	8 × 1½ in.	14/6
150	White „ „ ...	8 × 1½ in.	24/-
106	„ „ „ ...	8 × 1½ in.	27/-

Ladies' Rake Combs

No.		Size	Per Doz.
167	White celluloid burr grailled ...	6½ × 1½ in.	12/6
117	„ „ „ ...	7½ × 1½ in.	21/-
115	„ „ „ ...	7½ × 1½ in.	22/-
174	„ „ „ ...	8 × 1½ in.	27/-
189	Black „ „ ...	8 × 1½ in.	27/-

Gents' Dressing Combs

148	Mottled colour, non-inflammable	5½ × 1 in.	8/-
140	White celluloid	7 × 1 in.	9/-
143	Black Vulcanite	7 × 1 in.	10/6

Gents' Pocket Combs

163	Special line, assorted, in cases	...	4/6
175	Shell celluloid, in cases	5 × ¾ in.	9/-
160	Black, non-inflammable	5½ × ¾ in.	12/-

5% discount allowed for prompt cash off above prices.

We are the right House for **BRITISH-MADE GOODS**—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubber Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

BELDAM

BRITISH SPONGE

MADE OF PUREST RUBBER

FINE SOFT TEXTURE DELIGHTFUL TO USE



Beldam Rubber Sponges are remarkable for their smoothness, their softness, their capacity for absorption and their wearing qualities.

These Sponges make a most beautiful lather with the most indifferent soap and in the hardest water. They are healthy and invigorating to the skin.

Medical men recommend them. They are pure and odourless. They are not affected by boiling water or strong disinfectant.

Five Sizes. Price per dozen to Retailers from 13/6.

We invite inquiries.

The Rubber Sponge Dept., Beldam Tyre Co. (1920), Ltd., Brentford, Middlesex.



Godbolds

"CUTEX" NAIL PREPARATION



WE want every Chemist and Perfumer to have it worth while, and to take full advantage of our great Press advertising campaign.

Have you seen "**Cutex**" displays in the "Daily Mirror," "Sphere," "Sketch," "Tatler," "Vogue," "Queen," "Illustrated London News," "Sporting and Dramatic," "Bystander," "Sunday Express," etc. etc.

We received over 8,000 applications for "**Cutex**" sample sets during the first two weeks.

In spite of all imitations, there is nothing to qu
**"Cutex" which is packed in dainty Baccarat
 boxes with a Pink seal.**

ON THE OPPOSITE PAGE

We are making two special offers of "**Cutex**." The assortment of articles is suitable in both offers, for any and every district, although they can be varied if you wish. All we ask you to do is to display "**Cutex**" in your window and on your counter. "**Cutex**" and a discriminating public will do the rest of the work in order to earn you good money.

Manufactured by

NORTHAM WARREN CORPORATION, Montreal and New York

Sole Agents for the U.K.—

HENRY C. QUELCH & CO

4 & 5 Ludgate Square, LONDON, E.C. 4

"CUTEX"

1 Parcel.

		Cost			Sells for		
		£	s.	d.	£	s.	d.
No. 1	"Cutex" Cuticle Remover	1	1	6	1	10	0
" 4	" Nail White	1	1	6	1	10	0
" 7	" Trial Nail Cakes		7	0		10	6
" 10	" Polishing Paste	1	1	6	1	10	0
" 11	" Liquid Enamel		12	9		18	0
" 16	" Manicure Sets	1	16	6	2	8	0
		£6 0 9			£8 6 6		

ON'S FOR DISPLAY:

No. 7 Trial Cakes, FREE ... 10 6

Sh cards

Cash with order ... 6 0

£5 14 9

£8 17 0

Profit, £3 . 2 . 3 = 55% on the outlay.

2 Parcel.

		Cost			Sells for		
		£	s.	d.	£	s.	d.
No. 1	"Cutex" Cuticle Remover	2	3	0	3	0	0
" 4	" Nail White	1	1	6	1	10	0
" 7	" Trial Nail Cakes		14	0	1	1	0
" 22	" Nail Sticks		16	0	1	4	0
" 8	" Polish Powder		16	0	1	4	0
" 10	" Polishing Paste	1	1	6	1	10	0
" 11	" Liquid Enamel	1	5	6	1	16	0
" 13	" Cuticle Comfort	1	1	6	1	10	0
" 16	" Manicure Sets	1	16	6	2	8	0
" 17	" " at 93/-	1	3	3 ^{11/6} each	1	14	6
		11 18 9			16 17 6		

ON'S FOR DISPLAY:

No. 16 Manicure Sets, FREE ... 1 4 0

Sh cards

Cash with order ... 11 11

£11 6 10

£18 1 6

Profit, £6 . 14 . 8 = 59½% on the outlay.

"Cutex" articles are delivered Carriage Paid. Both of these offers can be charged to the ordinary monthly account. Net if it is preferred.

SPECIAL NOTICE.

FORT-REVIVER

At the advice of our chemist friends we have decided from June 1 to reduce the retail price of HALF-BOTTLES FORT-REVIVER to

THREE SHILLINGS.

Any of our friends holding stocks of Half-Bottles kindly communicate with

H. & C. NEWMAN

London Office: 41/42 Upper Rathbone Place, W.1.

Clinical Thermometers

About 500 1-min., Mag. Index, 27/- doz.

Original Record Hypodermic Syringes

Glass Barrel, Nickel Plunger, Bayonet Catch.

600 1 c.c. size at 6/6 each.

600 2 c.c. size at 8/- each.

Reduction to Wholesale Buyers.

50 gross Needles (assorted) 5/3 doz.

Sulphur Tablets

In 7-lb. Display Boxes.

14 lb., 1/10 lb. 28 lb., 1/9 lb. 56 lb., 1/8 lb.
112 lb., 1/7 lb. Carriage paid.

Tooth Brushes

Bone Handles.
Full Size.

4/6 doz. 51/- gross. Carriage paid for cash.

ROSS MANUFACTURING Co.

Manufacturing Chemists

92 KIRKDALE, SYDENHAM, S.E.
And GEORGE STREET, PATRICROFT, MANCHESTER

Established 1843.

J. PILLISCHER,

88 NEW BOND STREET,
LONDON, W. 1.

Manufacturer of

Scientific Instruments

and Sole Manufacturer of the

**CELEBRATED "INALTERABLE"
CLINICAL THERMOMETER**

Recent Exhibitions:

**12 GOLD MEDALS
14 GRANDS PRIX
HORS CONCOURS**

Sole & Exclusive Agent for Argentina, Uruguay & Paraguay—

Eugenio M. Etchegoin, Calle Maipú, 731,
BUENOS AIRES.



THE BUOYANCY OF GOOD HEALTH

ENO SALES ARE GOING UP

and your profits will soar upwards too, now that Eno's "Fruit Salt" is protected at face value, and you can make over 8½d. profit per bottle on our Special Window Display Terms.

For full particulars apply to Sales Manager:

J. C. ENO, LTD., BLACKFRIARS HOUSE, E.C.4.

WORKS: "Fruit Salt" Works, Pomeroy Street, London, S.E.14.



Thousands of People are Daily Taking



Are you Selling It to Them?

For particulars of the liberal Trade Terms write to S. Kutnow & Co., Ltd., The Kutnow Laboratories, 41 Farringdon Road, London, E.C. 1.

CORKS

The Best Value in the Trade.

ESTABLISHED 150 YEARS.

Importers & Manufacturers of all classes of Corks

USED BY

WHOLESALE CHEMISTS, DRUGGISTS, &c.

Samples & Prices Free on Application. Special Terms for Contracts & Export Orders.

JOHN DEIGHTON & CO. Contractors to H.M. Government, War Office, &c. YORK, ENGLAND



—The Record Sale for
G. O. Lemonade in one
Pharmacy in 1919 totalled
upwards of £100:0s.:0d

Mr. C. H. Bartle, S.E. 16 (SCOUTMASTER), writing us on April 26, 1920, says, in reference to G. O. LEMONADE:

"It is the best of its kind I have ever come across for Camp purposes. Had I known of it years ago my great difficulty of Camp Drinks would have been overcome."

G. O. LEMONADE

No Sugar Required. Sells on its Merits. The Profit is Good.
BONUS PARCELS.

The two following suggested BONUS PARCELS comprise all the Sizes and show you a clear Profit on Turnover of over 33½ per cent.:-

No. 1 Parcel—		£ s. d.
1 gross 2d	=	0 17 6
9 dozen 3½d.	=	1 2 6
1 dozen 1/3	=	0 10 6
		<u>£2 10 6</u>

No. 2 Parcel—		£ s. d.
½ gross 2d.	=	0 8 9
7 dozen 3½d.	=	0 17 6
1 dozen 6½d.	=	0 4 6
2 dozen 1/3	=	1 1 0
		<u>£2 11 9</u>

(1 dozen 6½d. free in payment for display.)

Sent Carriage Paid direct for Cash with order, or through your Wholesale House

THE GREENWICH LEMONADE CO.,

11 JOHN PENN ST., LONDON, S.E. 13

(J. Milner, M.P.S., Proprietor).

Phone—947 GREENWICH. Telegrams—"Cortlimon, Dept, London.

ORDER
YOUR
BONUS
PARCEL
TO-DAY.

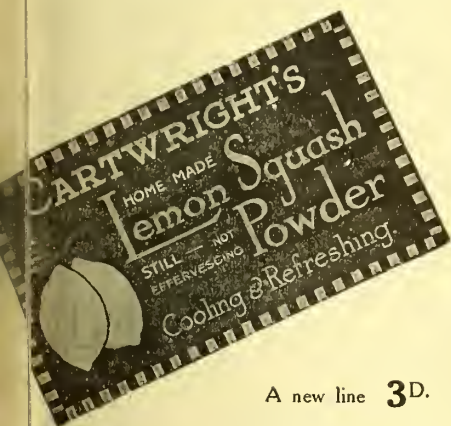
Display the right goods at the right time and you are always busy



Sells at 2D.

Send out a complete Window Show, consisting of window display, with orders for 2 gross and 1000s.

To-day's Price 14/- per gross.



A new line 3D.

A packet of cooling, delicious lemonade instantly prepared by the addition of cold water only. Beautifully packed in show boxes and window bills sent with all orders. Better order some now.

Price 22/- gross. 5 gross lots, 21/- gross.

WE are able to illustrate here only three lines, but they are just the goods to fill your windows with now. We have many customers that follow our advice, and they are the people who order in grosses.

Effective window dressing is an art, but it is very much simplified when you have the attractive display matter we send out with all our goods. With several of our lines we send a complete window show with an illustration showing exactly how to arrange it. Silkum is one of them, and a gross does not last long when you have a Silkum display running.

The best methods of advertising for Pharmacists are our constant study, and we are out to give you every possible assistance.

MAY WE SEND YOU A COPY OF OUR NEW PRICE LIST?



Retail Price 7½D.

A wonderful seller showing you 4d. clear profit on every packet. A complete window show sent with each order for one gross.

Per 42/- gross.

W.B. Cartwright, Ltd

Rawdon near Leeds

Australia—
7-299, Castlereagh Street, SYDNEY.
5 Flinders Lane, MELBOURNE.

New Zealand—
161 Hereford Street, CHRISTCHURCH
Wright's Buildings, Port Street, AUCKLAND.

A. ROWLAND & SONS

Proprietors of

ROWLAND'S MACASSAR OIL KALYDOR and ODONTO

beg to give notice that their offices and warehouse are now at

112 GUILFORD STREET, GRAY'S INN ROAD, W.C.

Rowland's Macassar Oil, being now on the P.A.T.A. list, is well worth the attention of the Wholesale and Retail Trade, as it shows a fair margin of profit to all alike.

NAIL

FILES,
SCISSORS,
CLIPPERS,
INSTRUMENTS.

TWEEZERS & FORCEPS.

Special quotations to large buyers.

HENRY W. SCURR, HENRY RD., SLOUGH

WHITEPHILL

The Best and Cheapest
White Dense and Filler

Especially suitable for Dental Creams, Powders, etc.

Prices and samples on application.

THE WHITEPHILL CO., St. Austell

PHOTOGRAPHIC TRADE PRINTING, ETC.

T. W. VAUGHAN PAUL, expert in all branches of photography, has opened studios for the purpose of printing, developing, etc., of amateurs' plates and films for the trade.

Six medals have been awarded for technical, pictorial and colour photography.

All work dispatched by return mail.

METROPOLE HOTEL, BEXHILL-ON-SEA

TIDMAN'S SEA SALT

P. A. T. A.

secures profits as follows—

3d. Packets	44%	on	Cost	Price
1½ lb. Boxes	37%	"	"	"
3½ lb. "	37%	"	"	"
7 lb. "	41%	"	"	"
14 lb. "	35%	"	"	"

All orders of 20/- value and upwards are carriage paid. Cases at bare cost.

*28 lb. Bags,	Sent direct to Chemist's	{	16%
*56 lb. "			20½%
*1 cwt. "	own customer	{	24%

*No Stock to hold or handle.

Prices on application to—

TIDMAN & SON, LTD.,
WAPPING, LONDON, E. 1.,

or to any Wholesale Patent Medicine House
in the United Kingdom.



SMOKE

AND

FIEUZIL

EYE GLASSES } RIMLESS
SPECTACLES } AND
RIMMED

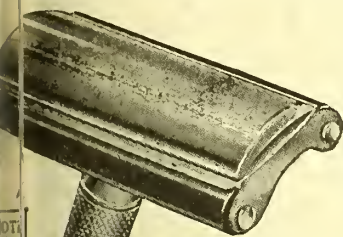
AND } For Motor,
GOGGLES, etc. } Cycling and
all kinds of sport

SAMPLES WILL BE SENT OF OUR
VARIED STOCK ON APPLICATION

ELLIOTT OPTICAL CO.
(GUY E. DRUIFF, Propr.)

104-105 GT. SAFFRON HILL,
LONDON, E.C. 1.

FOR CUSTOMERS WILL ASK



for the
RF
RAZOR

THE action of the rollers
is delightfully smooth
and soothing to the skin, and
effects a perfectly clean and
refreshing shave with ease and
rapidity. It is easily cleaned
after use by rolling over a dry
towel.

THE
Rollo-Foam
SAFETY RAZOR

All British made, packed in heavily
nickel-plated case, together with 12
blades and two plated blade cases, Complete.

21/-

WRITE FOR TRADE TERMS—
LEWIS REGNARD & CO.
10 Lower Thames Street, London, E.C. 3.



BOOKS
For Pharmacists

Send us a postal card and we will send you
a 32 page catalogue of professional and business
books for pharmacists, and a copy of

"THE SPATULA"

an illustrated monthly magazine for druggists,
full of American snap and enterprise.

THE SPATULA PUBLISHING CO.,
BOSTON 14, MASS., U.S.A.

Multiplex
HAMMOND
INTERCHANGEABLE
TYPE
TYPEWRITER

For the CHEMIST.

The Hammond carries
mathematical type with
symbols specially suited
to your needs at the
same time as the ordin-
ary English commercial
type.

Make your MSS. *talk* by the
use of italics and headlines in
special type.

Two styles of type always on the machine.
Any *other* language or style of type
instantly inserted.

Over 365 different type-sets to select from.

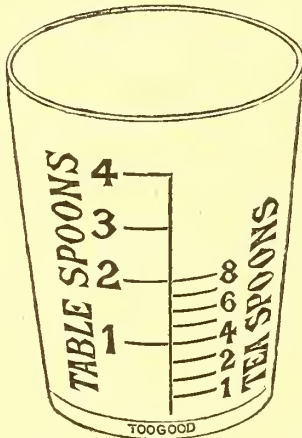


To obtain Pamphlet C.B.,
please write your name and
address and occupation on
margin, cut out advert. and
post to us.

A Portable HAMMOND
also supplied.

HAMMOND TYPEWRITER CO., Ltd.
75 Queen Victoria Street, E.C.4

TOOGOOD'S GRADUATED MEDICINE TUMBLERS



Best Crystal

Engraved Graduations

4 Tablespoons

11/6 doz.

Second Quality

Engraved Graduations

9/6 doz.

In Leather Cases

Best

23/-

doz.

Seconds

17/-

In Card Cases

Best

13/6

doz.

Seconds

11/6

Tumbler and Minimum
Measure in Leather Cases

Best

29/6

doz.

Second

23/-

WILLIAM TOOGOOD, Ltd.

77 Southwark Street,
London :: :: S.E. 1.

BOTTLES

TOM LAYCOCK & CO.

(Tom Laycock, Proprietor)

Holbeck Lane - - LEBDS

*We have the following stocks
on hand :*

2-oz. White Flint Kalis,

2-oz. White Flint Panels,

4, 6 & 8-oz. White

Flint Mexican Flats,

6-oz. White Flint Limes,

10-oz. Amber Limes.

We can also supply quickly such lines
as Actinic Green Poisons, Limes,
Kalis, Corn Paints, etc., etc. and

GLASS MEASURES

WHOLESALE ONLY.

Special Terms on Application.

WHITE FLINT BOTTLES

OF ALL DESCRIPTIONS UP TO 8 oz.

IMMEDIATE DELIVERY.

**TABLET BOTTLES, VIALS,
PANELS, KALIS, TUBS,
WIDE-MOUTH BOTTLES.**

Inquiries esteemed for lettered and special-pattern bottles.

HERBERT M. LONGCROFT & CO. LTD.

16 Clerkenwell Road, LONDON, E.C.1

F. MERTEN,

Showcard,
Poster, Lantern
Slide, etc.,

EXPERT

UNSOLICITED TESTIMONIAL.

10 Castle Street, LIVERPOOL
20/20.

Dear Sir,

Enclosed please find copy for cards for So Window

Display. I leave the sizes and styles to you.

YOUR CARDS ARE SPLENDIDLY DONE

AND THEY GET THE BUSINESS.

My difficulty has been to keep pace with the Sales

as one cannot always depend on Manufacturer delivering

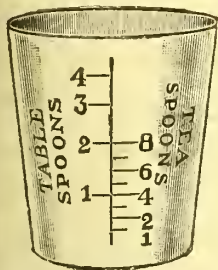
goods in time. The one you did for a "Spec Tooth

Brush" I had to withdraw in 3 Days—SO OUT!

Yours truly, J. MILNE,
Proprietor of J. McCle & Co.

112 Warham Road, Harringay, London, N.4.

AN IMPORTANT FACT!!!



You may, perhaps, be buying only for immediate requirements and cannot get prompt delivery of the goods wanted. Apart from our huge Provincial stock, bear in mind we have *ready for delivery* at our various London depots

OVER FIVE THOUSAND CASES of every description of Glassware for all purposes.

We hold the largest stock of miscellaneous glassware in the Kingdom.

Even if you are wanting a special line which we do not happen to have in stock, there is always an alternative one we can let you have.

The following are some of the lines we offer :

SQUAT KALIS	...	Green, 2 oz. size.
KAY'S ESSENCES	...	Green, 2½ oz. size.
KALIS	...	Green, 4 oz. size.
KALIS	...	Flint, 1, 2, 4, 6, 8, 10, 12, and 16 oz.
LIMES	...	Flint, 2, 4, 6, 10, 12, and 20 oz.
LIMES	...	Green, 1 and 4 oz.
MEDICALS	...	First and second quality, green, plain, and graduated, 4, 6, and 8 oz. Also tinted blue.
MEXICANS	...	Flint, 1½ and 2 oz. sizes.
PANELS	...	Green, 4 oz.
PANEL TOBINS	...	Green, 2½ oz.
PANELS	...	Flint, 1 and 2 oz. sizes.
VIALS	...	Green, 1 and 2 oz. sizes.
VIALS	...	Flint, all sizes from half-dram. Long series.
VIALS	...	Graduated, 1 and 2 oz. sizes.

And many more lines too numerous to mention.

Plenty of 4-oz. MEDICALS.

AMPOULES
ASPIRATOR JARS
BRILLS
CANNONS
DOUCHE LININGS
DROPPING BOTTLES
EMULSIONS
FEEDER TUBES

GLASS UNIONS
NASAL DOUCHES
PANELS
PERFUME BOTTLES
Cut stoppered, ½ to 2 oz. sizes.
REAGENT BOTTLES
W. & N. Mouth, from ½-oz.
RETORTS

SCREW JARS
SPECIFIC GRAVITY
BOTTLES
SWEET JARS
SYRINGES
TABLET BOTTLES, Nos. 1 to 7
TEST TUBES
WEIGHING BOTTLES

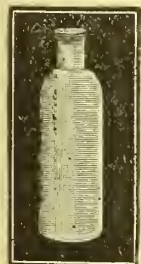
JULES LANG & SON

Charlton Works, Charlton Place, Islington, London, N. 1.

Telephones : North 2770-2 (three lines).

Telegrams : "Assorted, Phone, London."

Please mention this Paper when sending us your inquiries.



Gibbs

Insectol

The preparation for preventing and soothing mosquito and midge bites.

An assured ready sale during the summer.

Retail price 1/3 per tube.
10/6 per doz. P.A.T.A. prices.

D. & W. GIBBS, Ltd.
105 High St., Wapping,
LONDON, E. 1.

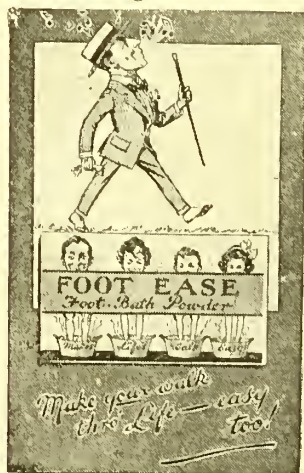
SUTTLEY & SILVERLOCK

Samples by return
of Post

SEASON SPECIALITIES

An excellent
Windy Dis

Design E 55.



(Printed in Royal Blue and Black.)

Design E 56.



(Printed in Royal Red and Black.)

Two of these striking
SHOWCARDS FREE
with each order for
**1000 FOOT EASE
FOOT-BATH POWDER
ENVELOPES**

Price **37/6** per 1000
including formula.

A QUICK-SELLING LINE

ORDER NOW.

We dispatch in 10 days from receipt of order.

BLACKFRIARS ROAD, LONDON, S.E. 1.



Apologies

MUTUAL LIFE BUILDING
ARVEY, BARBER & McKEE 34, NASSAU ST.
 NEW YORK
 ARTHUR WM. BARBER
 LEO ER. McKEE
 MORISON T. HANKINS
 ALFRED J. McELHINNEY
 6th MAY, 1920

Re 'TABLOID' Trade Mark

The Proprietress of Arral's Tika Tea Co.,
 express my great regret to Messrs. Burroughs
 Wellcome & Co. for having trespassed upon
 their trade mark rights by the employment
 of the words 'Tabloid' and 'Tabloids' in
 respect of goods not of their manufacture.

I hereby undertake to forthwith deliver up
 to Messrs. Burroughs Wellcome & Co. all
 labels, wrappers, price lists, circulars, notices,
 advertisements, etc., in my possession or
 under my control in which the title
 'Tabloid' or 'Tabloids' is employed where
 their products are not designated and to
 refrain from any further infringement of their
 trade mark rights. I agree to the publication
 of this letter in any manner necessary to or
 proper for the assertion or defence of the
 trade mark rights of Messrs. Burroughs
 Wellcome & Co.

(Signed) BLANCHE ARRAL

Witness

(Signed) ARTHUR WM. BARBER

The Registered Trade Mark

'Tabloid'

is an arbitrarily-coined word or brand which designates that goods
 supplied under this brand are issued by

Burroughs Wellcome & Co.

The sale of articles of any other manufacture, when the word
 'tabloid' is used in ordering, is an infringement and unlawful.

We prosecute offenders rigorously, in the interest of prescribers,
 dispensers, patients and ourselves.



BURROUGHS WELLCOME & CO., LONDON

BINAPANI INK STORES

8, SIMLA STREET

CALCUTTA

I, the Proprietor of the Binapani Ink Stores,
 tender my humble apology to Messrs.
 Burroughs Wellcome & Co. for trespass upon
 their trade mark rights by the employment
 of the word 'Tabloids' in respect of goods
 not of their manufacture.

I hereby undertake to forthwith deliver up
 to Messrs. Burroughs Wellcome & Co. all
 price lists, advertisements, etc., in my possession
 or under my control in which the title
 'Tabloid' or 'Tabloids' is employed where
 their products are not designated and to
 refrain from any further infringement of their
 trade mark rights, and I agree to publication
 of this apology.

Dated this 22nd day of April, 1920

(Signed) J. CHATTRYCE

Witness—

(Signed) ASHUTOSH GANGUZ

8, SIMLA STREET

CALCUTTA



THE BRITISH DRUG HOUSES LTD.

FICOLAX REVISED PRICES.

On account of the serious and continued increase in the costs of manufacture, we are compelled to revise prices as from JUNE 1st, as follows :

Size.	Retail Price. (P.A.T.A.)	per doz.
(*Small, 6d. Stamp)	2/-	18/6
(*Large, 1/- Stamp)	4/6	40/-

* In selling at the new prices, care must be taken to adjust the stamps, which are now double the value of the old.

A supply of gummed slips bearing the new prices will be sent to customers on request.

The British Drug Houses, Ltd.

**22-30, Graham Street, City Road,
LONDON, N.I.**



Weekly Journal of Pharmacy and of the Chemical and Drug Trades

CHEMIST AND DRUGGIST is in circulation and reputation as a leading journal addressing the Chemical and Drug trades in the Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of many Chemists' in the Overseas Dominions.

Subscription Rates. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Single subscriptions may begin with the first issue of any month. Single copies, 6d. post free; *Diary*, 5s. post free. Postal orders and cheques may be crossed "Bank of Liverpool and Martin's Ltd."

Price: l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

Pre de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20cb., franco.

Advertising may be obtained on application to the Publisher

OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Agents: "Chemists, Cannon, London." Telephone: Central 3617 (three lines).

OFFICES: MELBOURNE AND SYDNEY, AUSTRALIA.

CONTENTS.

No. 23. Series 2106. Vol. 92.

	PAGE		PAGE
Essential Oils	64	London Insurance Pharmacopoeia	85
Business Changes	68	Medical Gleanings	66
Local and Foreign		New Companies and Company News	65
Notes	62	Observations and Reflections	77
Long Events	84	Personalities	75
For Students	80	Pharmaceutical Society of Great Britain: Council-meeting	70
Opulence:		Pharmaceutical Society of Ireland: Council-meeting	81
Letters	91	Poisonings	57
Local Queries	93	Profiteering Act	63
Subscribers' Symposium	93	Retrospect	94
Miscellaneous Inquiries	94	Scientific Progress	66
Local Articles:		Scottish News	59
Pharmacy and Public Health	78	Trade-marks	67
Licensing Bill	79	Trade Notes	76
Sugar Supply	80	Trade Report	86
Local News	57	Westminster Wisdom	84
Local News	61	Wild Flowers in May	60
General Medical Council	69	Wills	60
Information Department	76		
Insurance Act Disputing	84		
Local News	59		

A Revival.

shortage, printing difficulties, and other circumstances combined to prevent the publication of Special Issues of **THE CHEMIST AND DRUGGIST** during the war. It has, therefore, been to concentrate on making a weekly issue equal in interest and in business-value to the pre-war Special.

There has been a steady increase in editorial and advertising prestige as a result, but in response to a generally expressed desire through the trade it has been decided to issue one

ANNUAL SPECIAL ISSUE.

This year the publication date will be

JUNE 26.

Business houses desirous of making special announcements should communicate at once with The Publisher, 42 Cannon Street, London, E.C. 4, from whom all particulars regarding available advertising space can be obtained.

MINISTRY OF PENSIONS has taken over and removed to Millbank, London, S.W., the Army Spectacle established in Clifford's Inn, E.C.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Society for the Prevention of Venereal Diseases.

At the first annual meeting held on June 3 at the Barnes Hall, Royal Society of Medicine, Wimpole Street, London, W., the following resolution is on the agenda:

That, inasmuch as the Ministry of Health has failed, and public bodies, including the London County Council, have declined, to provide the means of delayed disinfection against venereal disease at ablation centres, this meeting calls upon the Ministry of Health and upon local authorities to instruct all qualified chemists to sell such means of immediate self-disinfection against venereal disease as may be approved from time to time by the Ministry of Health or by medical officers of health.

Treaty of Peace with Germany.

Instances have been brought to the notice of the Board of Trade in which arrangements have been concluded between German nationals and other persons with regard to industrial, literary, and artistic property. Attention is directed in this connection to the provisions of paragraph 7 of Article 306 of the Treaty of Peace with Germany, which reads as follows:

Each of the Allied or Associated Powers reserves the right to treat as void and of no effect any transfer in whole or in part of or other dealing with rights of or in respect of industrial, literary, or artistic property effected after August 1, 1914, or in the future, which would have the result of defeating the objects of the provisions of this article.

The Board of Trade propose to issue at an early date an order setting out the conditions upon which transactions in connection with industrial, literary, and artistic property coming within the provisions of Article 306 of the Treaty of Peace with Germany may be permitted. In the meantime all such transactions are inadmissible.

Fires.

Damage by fire was done to the premises of the Canavia Chemical Co., Wardour Street, London, W. 1, on May 28. The cause of the outbreak is unknown.

A fire was caused recently at the shop of Noble's Drug Stores, Ltd., Well Street, Stepney, London, E. 1, by a light being thrown down in the street.

Caused by hot ashes, a fire broke out on the premises of Henry Marks & Sons, sponge merchants, Houndsditch, London, E. 1, recently. The bleaching-room on the ground floor was damaged.

The premises of Mr. J. W. Roberts, chemist and druggist, Tavistock Place, London, W.C. 1, were recently damaged by an outbreak of fire, which originated from a naked light in a storeroom in the basement.

There was an outbreak of fire on May 29 at the works of T. Blezard, Ltd., wholesale druggists, Lord Street, Preston, a number of boxes and barrels having become ignited through some unknown cause. The outbreak was subdued before serious damage was done.

The salicylic-acid works of Pierson, Morrell & Co., Ltd., in Upper Kennington Lane, London, S.E. 11, were severely damaged by fire during the night of May 28. The loss is estimated at several thousand pounds, although the fire was confined to one building. Manufacture is being reorganised in the remainder of the buildings and at the company's chief factory at Barnet: in the meantime prompt delivery of products other than salicylic acid is assured. [Pierson, Morrell & Co., Ltd., ask us to thank the many friends who have made offers of assistance.—EDITOR.]

Poisonings.

Since our last report the following cases of fatal poisoning have been notified:

At Netley, George T. Woods, a discharged soldier, committed suicide by taking potassium cyanide while of unsound mind.

A married woman named Walker died recently in York County Hospital after having taken, it was believed, a quantity of a liniment used for cattle.

An inquest was held by the coroner for Central London, on May 29, on the body of Frederick S. Hunter, accountant, Upper Bedford Place, W.C. The medical evidence pointed to the presence of hydrocyanic acid in a draught taken by the deceased, and the inquest was adjourned for further inquiries to be made.

An inquest was held at Birmingham, on May 29, on the body of Mr. Guy W. Bradley, a son of the coroner for the city. The evidence showed that when he was found in a dying condition a bottle containing sodium cyanide lay at his side. The deputy-coroner returned a verdict of "Suicide," adding that the young man's mental balance had been disturbed by war strain and depression.

Charge of False Pretences.

At Marylebone Police Court, London, on May 28, Alice Wilson, described as a nurse, was remanded on a charge of having obtained by false pretences from Mr. William Aydon Williams, chemist and druggist, manager to Mr. E. Thomas, Ph.C., 97 High Street, Marylebone, W. 1, three tubes of morphine tablets and six tubes of heroin tablets. The accused was placed in a chair, but collapsed immediately, and was removed by direction of the magistrate. On being brought back she was still very unwell, and had to be attended by a police matron. Mr. Williams, giving evidence, related how Wilson succeeded, by means of an elaborate story, in obtaining possession of the goods (*C. & D.*, May 22, p. 99). He gave her the tubes mentioned in the charge, which were all that he had in stock.

Death under Nitrous Oxide.

The Westminster coroner held an inquiry, on June 1, concerning the death of Mr. G. W. Frost, managing clerk to a firm of solicitors, who died at the Dental Hospital, Leicester Square, W.C., after having teeth extracted. The evidence showed that nitrous oxide had been administered, and that this was the first fatality out of 750,000 similar operations at the hospital. Dr. Morgan Finucane, who had made an autopsy, deposed that the heart was large, soft, and pale, and that the deceased had a persistent thymus gland. This was very unusual, and was a condition that predisposed a man to sudden death. It could not be discovered during life. He would have thought that the deceased's general appearance ought to have suggested that there was something wrong with him, and that the condition of the heart could have been detected on examination. The coroner said that, speaking generally, an anaesthetist did not hesitate to give gas in cases where the heart was a little bit doubtful in its character, and where he would not give chloroform. The routine practice at this hospital was not to examine the chest before giving an anaesthetic, but, as it did not take long, he personally thought the condition of the heart should be ascertained. He would not go so far as to blame anyone. He certified that the deceased died from syncope during the administration of nitrous oxide for the extraction of teeth, that the anaesthetic was a suitable one, and that it was properly administered.

Birmingham.

A coal dealer told a friend lately that out of a dozen lads whom he had employed to deliver coal every one had tried to rob him.

Mr. Hawley, who both before the war and for some time after was chief assistant in the city analyst's laboratory, Broad Street, under Mr. J. F. Liverseege, F.I.C., Ph.C., has been appointed public analyst for Stepney, London, E.

At Birmingham Police Court, on May 28, Bernard Bishton (16) and Francis William Jordan (17) were committed for trial on charges of breaking into the shop of Jonathan Newey & Son, chemists, 337 Summer Lane, and stealing the sum of 13s. 1½d.

Liverpool.

American preparations are being delivered but slowly.

The Wallasey Pharmacists' Association has arranged its annual excursion for June 23, Chester being the objective.

Mr. H. Nixon, vice-chairman of Ayrton, Sauer Co., Ltd., has been elected to the council of the Liverpool Rotary Club.

Dr. G. V. C. Last is taking *locum tenens* during the purchase of a practice. He retains his membership of the Liverpool Chemists' Association.

The fund which is being raised by the Conference Reception Committee has not increased according to expectations since Whitsuntide.

Three short papers for the British Pharmaceutical Conference are promised respectively by Mr. R. G. Wallasey; Mr. R. H. West, Southport; and Mr. W. Wallis, Ellesmere Port (Birkenhead).

Applications for rooms to be reserved at the hotels for Conference Week are coming to hand quickly. Letters from pharmacists at a distance ever, show that the increased cost of travel is on long journeys.

Circulars will shortly be posted to all members of the British Pharmaceutical Conference giving details of the programme for Conference Week. A record of the programme is being catered for, and the programme promises to be decidedly attractive.

At the annual meeting of the Liverpool Trade Protection Society, held on May 27, a letter was read by the President, Mr. W. H. Saunders (Ayrton, Sauer & Co., Ltd.), who has nearly completed his circuit round the world. Mr. Saunders, in the course of his comments, wrote: "I am glad and proud that in every country, without exception, the reputation, and prestige of Great Britain is supreme." Concerning our Colonies, Mr. Saunders added that the present was the psychological moment for cultivating trade with them. Australia has even passed a law absolutely prohibiting the import of German goods. Having referred to the conditions in America, he expressed the opinion that it was not Japan or America, who would become a very serious rival in foreign trade. A vote of thanks was accorded to Mr. Saunders for his services as President.

Sheffield.

The payment for insurance work for the month of May is 1,434l.

The medical officer of health records a large increase in the number of deaths from influenza and pneumonia.

Mr. H. Antcliffe, chemist and druggist, has been elected at the head of the poll for non-group candidates to the executive committee of the National Poor Law Officers' Association (Incorporated).

The Rev. J. Howard Preston, B.Sc., eldest son of Mr. Job Preston, chemist and druggist, Barker's Pool, and brother of Mr. Ernest Preston, Ph.C., the President of the Sheffield Pharmaceutical and Chemical Society, was recently ordained priest in the Lady Chapel of Liverpool Cathedral. After being wounded on active service in France, Sergeant Preston (as he then was) filled for some time the post of dispenser at the Third Northern General Hospital.

Miscellaneous.

POISON-LICENCE GRANTED.—G. & A. Clark, Ltd., have been granted a licence to sell agricultural poisons.

WHIST-DRIVE.—The staff of Lewis & Burrows, Ltd., held a successful whist-drive at Slaters, Ltd., Strand, London, W.C., on May 27, under the auspices of the Elland Social Club. The prizes were distributed by the President, Mr. Walden. Over seventy members were present.

STRIKE OF CLERKS AT LEVER BROS., LTD.—A number of clerks employed by Lever Bros., Ltd., struck work on May 31. They are members of the National Warehouse and General Workers' Union. The present scale runs 7½d. a week for men and 4½d. for women, with an extra 10 per cent. for seniors. Failing a settlement, the strikers lose benefit in the co-partnership.

IN THE COURTS.—At Leeds, recently, Edward Eley, errand boy, was remanded on several charges of breaking into warehouses, including that of Hirst, Brooke & Co., Ltd., manufacturing chemists, East Lane.—Charles at

ster Assizes recently with attempting to poison and her two children with nitric acid (*C. & D.*, p. 46), a woman named Glendining was found to be insane at the time," and was ordered to be detained during his Majesty's pleasure.

SCOTTISH CHEMISTS' GOLFING SOCIETY.—The competition for the Hill Cup was held at Muswell Hill, recently, and the results are as follows:

Mallantyne	95-16=79	W. Duncan	... 101-18=83
Wartlett	86-6=80	G. F. Deeth	... 95-10=85
Hammer	97-16=81	F. A. Bell	... 96-11=85
Finchen	97-16=81	S. E. Tomson	... 104-18=86
...	93-10=83		

SALE DRUGGISTS' CRICKET CHAMPIONSHIP.—Stevenson & Howell v. Allenburys, played on the excellent ground at Stevenson & Howell at Motttingham on May 29, resulted in an easy victory for Allenburys. Stevenson & Howell were dismissed for 45, Blick distinguishing himself by taking 5 wickets for 21 runs, and W. J. Stokes made 5 for 24. Allenburys compiled a total of 158 for the loss of only three wickets, the chief scorers being J. Stokes, 72 not out; C. Krause, 24; and F. Whit-

WEIGHTS AND MEASURES.—Another revision of the fees for verifying weights and measures has been sanctioned. It will come into force on July 1. The Order in Council under the Weights and Measures Act, which provides for the fixing and varying of fees for verification. Orders for fees were issued in July 1918 and July 1919 (*C. & D.*, July 19, 1919, p. 42), which are now varied, and a new scale of fees for verification and stamping of weights and measures substituted. The Order (No. 685 of 1920) can be obtained from the Stationery Office for 2d.

REGISTER OF HORSES.—A census of horses will be taken in Great Britain this month, in order that the Government may be placed in possession of information more recent than that afforded by the census taken in 1918. For the purpose of the new census the Army Council have delegated to the Board of Trade the necessary powers, and the Board have made an Order requiring all owners of horses, to send in to give particulars thereof on a prescribed form, any owner who has not received a form by June 8 must apply for a copy at the nearest police-station. The form is to be filled up and returned to the police not later than June 14.

ROYAL COLLEGE OF VETERINARY SURGEONS.—At the annual meeting of the Royal College of Veterinary Surgeons, held at the Royal Albert Hall, London, W.C., on June 1, it was decided to erect a war memorial tablet, and, if possible, to devote a sum of money for endowing the library. It was also stated that it was hoped to raise sufficient money to purchase the building, of which the college owns the lease, and to improve the museum. The fund at present amounts to about 600l. The treasurer stated that the advantage was likely to come from the Veterinary Surgeons Act Amendment Bill; the monetary contribution to the profession would not exceed 10s. per annum.

IMPERIAL ENTOMOLOGICAL CONFERENCE.—The Imperial Entomological Conference was opened at Burlington House, London, W., on June 1. Sir Sidney Harmer, who presided, explained that the object of the conference was to discuss the progress that had been achieved and to hear any criticisms that might be made. Dr. G. A. K. Marshall, the director of the Bureau of Entomology, said that a scheme had been adopted for the study of insect pests in all parts of the Empire, and hundreds of thousands of insects had been sent to them for identification. The question of the work in the study of insect pests and the prevention of the spread of yellow fever through the Canal in the present difficult state of the finances of the Bureau, together with the proposed continuation of work on other subjects on which there was a demand for information, was referred to a special committee. During the ensuing discussion, one delegate suggested that information regarding Russia was of no value in his area, and another pointed out that such information was invaluable in Canada.

Irish News.

The Pharmaceutical Society of Ireland.

Latest dates for lodging applications for the July Examinations are: Thursday, June 17, for the Preliminary Examination; Tuesday, June 29, for the Registered Druggist Examination; Wednesday, June 30, for the Pharmaceutical Licence Examination; Monday, July 5, for the Pharmaceutical Assistant Examination. Applications should be lodged with the Registrar, 67 Lower Mount Street, Dublin, by 11 A.M. on the respective dates.

Brevities.

Mr. Michael S. Kane, R.D., Clonmel, successfully landed a fresh-run salmon weighing 9½ lb. recently.

A committee meeting of the Dublin and Provincial Retail Drug Association was held on May 26, Mr. D. M. Watson, President, in the chair. The following were also present: Messrs. J. Smith, G. A. McLean Lee, George Brown, W. F. Ellis, Robt. Mellon, R. White, Dr. J. A. Walsh, and Sir Thos. Robinson. Messrs. F. Loughman, Clonmel; F. M. McNulty, Cahir; and Joseph O'Reilly, Dublin, were elected members. The question of the present price of prescriptions was discussed, and members are strongly advised to watch the increased cost of spirituous preparations in particular, and price accordingly. The code should in every case be used.

Scottish News.

Brevities.

After drinking some Toxol a woman named McEwan died in Greenock Infirmary on May 29.

Mr. D. W. Nicolson, chemist and druggist, Kilmarnock, has removed to larger premises at 54 Portland Street.

In view of the advent of the new Profiteering Act, an appeal has been issued to retailers to adhere to the Scottish Chemists' Retail Price List.

The prospect of a special *C. & D.* summer number has been received in Scotland with much pleasure. As a literary and advertising art production, the pre-war "special" had no rivals.

Photography in the mining districts bids fair to outstrip even whippet racing as a pastime. The demand for cameras has been unequalled. Supplies, fortunately, are more abundant than in previous years.

Some nervousness is being felt among chemists regarding new proposals of the Insurance Commissioners about dispensing "urgent" prescriptions on public holidays and after the customary closing hour.

One wonders how certain advertising firms, which beg prospective clients not to run the risk of having their negatives and prints spoilt, contrive to convince the large proportion of reckless amateurs that anybody else might have made a worse job of their snapshots.

The discussion between the panel doctors and the public authorities as to whether an insured person is entitled to free vaccination or not continues. The view of the Scottish Board of Health is that the practitioner is bound to give vaccination free of charge if it is in the interests of the insured person that he should be vaccinated.

"In these days," writes a correspondent, "when there is much discussion on the ethics of prescribing and dispensing, it is no uncommon thing for a chemist to be rung up by a doctor, the latter stating he is sending a patient, mentioning the complaint, and asking the chemist to give what he thinks best." Is this the custom in any other part of the United Kingdom?

Dundee.

Mr. John H. Thomson, chemist and druggist, Lochee, was a representative elder at the May meeting of the United Free Assembly in Edinburgh.

Mr. Erskine S. Cummings, an exhibitor in the architectural room at this year's London Royal Academy Exhibition, is a brother of the pharmacists of the same name who have businesses in Dundee and Alloa.

Mr. John Anderson, chemist and druggist, Strathmartine Road, is an uncle of Sir John Anderson, chairman of the Board of Inland Revenue, who has been "lent" to the Lord-Lieutenant of Ireland (*C. & D.*, May 29, p. 61).

Glasgow.

Mr. D. Charteris, chemist and druggist, Kilsyth, has been appointed a member of the new management committee of the local shopkeepers' association.

According to the "Glasgow Daily Record," the proprietors of 251 pharmacies out of 304 on the register voted in favour of the recent early closing order (*C. & D.*, May 29, p. 52).

One workman has died and several others are in a precarious condition as the result of mustard-gas poisoning, caused by traces of the gas remaining in drums bought at Army dispersal sales and taken to a Barrhead firm of welders to be repaired.

The corporation have increased the salaries of a number of officials in their employ, including Dr. R. M. Buchanan, bacteriologist, by 150*l.*, and Mr. F. W. Harris, chief chemist, by 100*l.*, making their total salaries, with war bonus, 1,115*l.* and 960*l.* respectively.

Glasgow Pharmacy Athletic Club.

The annual business meeting of the club was held at 165 Hill Street, Garnethill, Charing Cross, on May 21. Mr. William Wood Wilson, President, occupied the chair. Mr. Mackay, the hon. President, congratulated the club on the success of the year's work, and referred to the great amount of work the secretary and treasurer had to undertake. As a small appreciation of these services he proposed that an honorarium of 10*l.* be granted. This was heartily agreed to. The following office-bearers were appointed for the ensuing year: *Hon. President*, Mr. George Mackay; *President*, Mr. William Wood Wilson; *Vice-Presidents*, Mr. John Bell and Mr. Robert Dickson; *Secretary*, Mr. James Dow, 131 Hyndland Road, Hyndland; *Treasurer*, Miss Ramsay, 16 Henrietta Place, Scotstoun. The first outing of the season took place on May 25, when a company of ninety motored to Aberfoyle by way of Blane Valley and past the Lake of Menteith, arriving at their destination after two and a half hours' run. After refreshments provided by the committee, the company proceeded to a field, where all sorts of games and amusements were engaged in. An excellent tea was enjoyed to the accompaniment of the bagpipes. The prizes were then presented to the successful competitors by the President, who called upon Miss McCallum, the convener, to act as his deputy. The party left Aberfoyle at 7 p.m., returning to Glasgow by way of Balloch, arriving in the city at 10 p.m.

Edinburgh.

Rumour says that over 400 students in Scotland will visit York Place this month. One college alone is sending almost a fourth of this number.

Mr. A. Duncan, chemist and druggist, 220 Easter Road, Leith, has taken out another patent for coating turnip and other seeds to obviate or eliminate the necessity of thinning.

Edinburgh has become a city of decorated left arms—a fashion possibly started by the vaccinated flappers. The popular colour and material is a delicate shade of pink silk, but one notes even an occasional piece of red flannel. A little girl told the writer that she was wearing the badge "because all the rest in our class at school are doing it."

A CIRCULAR has been sent to members of Parliament by the painters' trade union asking for support in bringing pressure to bear on the Ministry of Health not to use solignum on the woodwork of houses. Solignum is said to be a preservative of wood, as well as a substitute for paint.

Wild Flowers in May.

MR. GEORGE ROE sends us the following list of plants as being among those in bloom at the end of May in Berkshire and the home counties:

Bird's-foot, <i>Ornithopus perpusillus</i> .	Lady's finger, <i>Anthyllis neraria</i> .
Bird's-nest orchid, <i>Neottia nidus-avis</i> .	Large white hellebore, <i>Epipactis grandiflora</i> .
Bush vetch, <i>Vicia sepium</i> .	Lesser spearwort, <i>Ranunculus flammula</i> .
Butterfly orchid, <i>Habernaria bifolia</i> .	Marsh orchid, <i>Orechis folia</i> .
Clary or wild sage, <i>Salvia verbenata</i> .	Mountain speedwell, <i>Veronica montana</i> .
Common spindle, <i>Euonymus europæa</i> .	Pellitory of the wall, <i>Pellitaria officinalis</i> .
Corn-beaked parsley, <i>Anthriscus vulgaris</i> .	Shepherd's needle, <i>Scabiosa pecten veneris</i> .
Corn crowfoot, <i>Ranunculus arvensis</i> .	Small marsh valerian, <i>Valeriana dioica</i> .
Corn gromwell, <i>Lithospermum arvense</i> .	Solomon's seal, <i>Polygonum multiflorum</i> .
Cypress spurge, <i>Euphorbia cyparissias</i> .	Star of Bethlehem, <i>Hothotolum umbellatum</i> .
Deadly nightshade, <i>Atropa Belladonna</i> .	Thrift, <i>Armeria maritima</i> .
Field madder, <i>Sherardia arvensis</i> .	Thyme-leaved speedwell, <i>Veronica serpyllifolia</i> .
Field pepperwort, <i>Lepidium campestre</i> .	Tuberous bitter, <i>Lathyrus macrorrhizus</i> .
Fly orchid, <i>Orchis muscifera</i> .	Water avens, <i>Geum rivale</i> .
Geranium (shining), <i>Geranium lucidum</i> .	White ox-eye daisy, <i>Chrysanthemum leucanthemum</i> .
Globe flower, <i>Trollius europæus</i> .	Wild mignonette, <i>Rosa lutea</i> .
Hairy vetch or tare, <i>Vicia hirsuta</i> .	Wood sanicle, <i>Santale europæa</i> .
Henbane, <i>Hyoscyamus niger</i> .	Woodbine honeysuckle, <i>Lonicera xylosteum</i> .
Herb Robert, <i>Geranium Robertianum</i> .	Yellow figwort, <i>Sericularia vernalis</i> .
Ivy-leaved toadflax, <i>Linaria cymbalaria</i> .	Yellow rattle, <i>Rhinanthus Crista-galli</i> .

Wills.

MR. JOHN THOMAS JACKSON, chemist and druggist, 97 Fore Street, Ipswich, who died on March 31 intestate, left estate valued at 1,307*l.* 2*s.* 9*d.*, with net personalty 787*l.* 0*s.* 11*d.*

DR. JAMES WILLIAM HELENUS TRAIL, M.D., F.R.S., F.L.S., Regius Professor of Botany, Aberdeen University, who died September 18, left personal property valued at 15,072*l.*

DR. BENJAMIN JOHN MORGAN DOCKRELL, M.A., D. M.A.O., 9 Cavendish Square, London, W., who died on March 15, left estate of the gross value of 876*l.* 3*s.* 4*d.*, with net personalty nil.

DR. DAVID GOYDER, M.D., L.R.C.S.E., Marley Hse., Great Horton Road, Bradford, who died on January 27, left estate of the gross value of 12,295*l.* 9*s.* 2*d.*, with net personalty 9,563*l.* 4*s.* 8*d.*

MR. BENJAMIN HORTON, 38 Hyde Park Gate, W. and 41 Colmore Row, Birmingham, chairman of the Molins Co., Ltd., who died on January 12, has left a fortune of the value of 163,136*l.* 19*s.* 4*d.*, the net personalty being 143,491*l.* 7*s.*

MR. JOHN FAWCETT, chemist and druggist, Brantwood, Higher Bebington Road, Lower Bebington, who died on December 17, has left 6,325*l.* 8*s.* 1*d.* He gives the businesses carried on by him at The Village and New Clifton Road to his son, he paying 200*l.* and an annuity of 100*l.* to his mother. The residue of the property he leaves to his wife.

THESE BUSY SOLICITORS!—Addressing a magistrate for the defence in a recent lime-water case under the Sale of Food and Drugs Acts, a solicitor pleaded that the young lady who served the lime-water had omitted to shake the bottle.

French News.

from the "C. & D." Paris Correspondent.)

the well-known dealer in gum acacia, accompanied by M. Perrot during his recent scientific mission to the Egyptian Soudan and Kordofan.

ED YEARS Ago two French pharmacists—Pelletier and Javoutou—described the method of preparing sodium phosphate. The year 1820 also saw the first use of caffeine, and the preparation of naphthalene.

FUMOZE, of the well-known patent-medicine firm (the first to adopt price protection), is dead. He was long connected with the Pharmacie Centrale. M. Charles Buchet delivered the funeral oration.

LOGY FOR PHARMACISTS.—For pharmacists desirous of improving their knowledge of microbiology and pharmacy, Prof. Radais has started a class at the Paris School of Pharmacy. The course will last over three years and is open to pharmacists only.

INDUSTRIAL LABORATORY of the Montpellier School of Pharmacy comprises an apparatus for making extracts, machines for capsules, pills, pomades, emulsions, waxes, sweets, granules; mechanical grinders, sieves, crushers, dynamos, etc. Some of the plant was acquired from a drug firm, second-hand.

TAX ON BEVERAGES.—The discussion in the Chamber of Deputies on the increased taxation of alcoholic beverages took place recently. The Minister of Finances proposed to double the present 10 per cent. tax on powders and to increase the production of artificial mineral or aerated waters. The proposal was carried.

ESTHETICISTS.—M. A. C. Hollande, speaking at the meeting of the Society of Biology, said that the venom of the butterfly *hymenoptera* was formerly supposed to be fatal to the larvae on which they prey. He submitted that the larvae inoculated with this venom was reduced to a state, not unlike that of hibernation.

ATION IN THE CHEMICAL INDUSTRY.—The Provinces d'Alsace et de la Camargue have amalgamated with the Société Electro-Métallurgique Française and have raised their capital from 80 million francs to 160 million. The name of the firm is to be the Frozes shareholders will receive one share in the new company in exchange for two old ones.

POTASH.—The present daily production of potash in Alsace amounts to between 4,000 and 5,000 tons, but the existing transport difficulties in Alsace make it not possible to load more than 2,000 tons daily. The sales office of the Alsatian potash syndicate is at Mulhouse, the title of the syndicate being the *Commerciaire des Potasses d'Alsace-Lorraine*.

WAR CHEMICALS.—The Committee for the Agricultural Utilisation of War Chemicals is working. Mention has already been made of the use of liquid fire for destroying locusts, and of the use of gas for killing bugs, fleas, and snails. The field of chemical warfare in "liberated regions" are also being studied, but unfortunately the lack of sufficient railway transport has handicapped the campaign in these districts.

INOMANIA CURE.—MM. Challamel and Briseval have recently to the Society of Therapeutics that the cure of mania might be cured by injections of 0.2 to 20 centigrammes of sulphate daily, in combination with extract of berberis, with about six milligrammes of helenin added as a stimulant. The morphia was entirely omitted, and "the final dose was given for the last day or two by an injection of water."

SODA CACODYLATE.—In a thesis presented at the Faculty of Medicine, Dr. Maréchal concludes that the cacodylate of soda has not hitherto given remarkable results in cases of syphilis the reason has lain in

the insufficiency of the doses administered. He gives progressive injections up to 4, 5, and 6 grams of cacodylate of soda and 7 grams of arphenal, and states that he has never had an accident. He also uses hypodermic injections of cacodylate for psoriasis, but in 10-per-cent. solutions in this case, as the 50-per-cent. solutions cause excessive pain.

RESEARCH INSTITUTE FOR FRANCE.—M. François Marre, Secretary-General of the Association of French Scientific Writers, intends to form a committee, including M. Deschanel, President of the Republic; Marshals Joffre, Foch, and Petain; MM. Raymond Poincaré, Millerand, the Presidents of the Senate and Chamber and of the Municipal Council of Paris, to establish a research institute with the view of applying chemical discoveries to industry. The aim of the committee is to collect a sum of money to provide the material and means necessary for enabling chemists adequately to conduct their researches.

M. EMILE BOURDIER, who died recently, was referred to in an obituary notice read at the Academy of Sciences. A mycologist and corresponding member of the botanical section of the Academy, he was born in 1828, and took his diploma at the Paris School, keeping open shop at Montmorency, just outside the capital, until 1914. He saw two German invasions; in 1870 the Germans carried off his notes and sketches, the accumulation of years of patient labour. His *magnum opus* was the "Icones mycologici," which contained 600 coloured plates prepared from M. Bourdier's own water-colour sketches.

PARIS SOCIETY OF PHARMACY.—At the May meeting of the Paris Society of Pharmacy, MM. J. Bougault and T. Perrier gave a report on the action of alkaline cyanides on glucose; and M. Guerbet presented some remarks by M. Felix Martin on the study of isomylcamphor and its derivatives, and another by M. Sinicha Giaya on zinc in the human organism. M. François exhibited an apparatus for dispensing with the correction of temperature when determining points of fusion. M. Goris read a note on the dosage of morphine in presence of sucrose, by M. Damas; and M. Grimbart explained M. Fleury's iodometric system of dosage of arseniates.

SPECIALISING IN LOCAL INDUSTRIES.—At the Montpellier School of Pharmacy, which has seriously taken up the teaching of the preparation of galenicals, M. Astruc pointed out to his pupils in a recent address that he would like to see local industry organised—for example, one pharmacist would specialise in the preparation of extracts, another of tablets, laudanum, etc. Those who had available local stocks of digitalis, gentian, or aconite might here see an opening. A man keeping a shop near the slaughter-houses would have special chances of success with opotherapeutic medicaments. Ampoules, aerated waters, etc., were all worthy of study and attention.

POISON-GAS EFFECTS ON VEGETATION.—Those who foretold that the scenes of the great gas attacks would remain a sort of "blasted heath" have by now seen these wastes covered by coarse but vigorous vegetation. The effect of gases on plants is still being studied. M. Guignard read to the Academy of Sciences a note by MM. Guérin and Lormand, stating that most plants can resist an atmosphere of one two-thousandth of chlorine, palite, bromacetic, chloropicrin, or yperite for an hour or two. They lose their leaves, but new ones grow and the plants finally recover. The "plasmolysis" of plants (which causes this loss of leaves) may be compared to some degree with the action of gases on man. MM. Matruchot and Pierre Sée have studied the action of chloropicrin on various fungi. With 10 centigr. of chloropicrin to one litre of air (they told the Society of Biology), most are killed in forty-eight hours, except the *Amblyosporium*, which supported 20 centigr. for forty-two hours. *Hypomyces* are destroyed in half an hour, *Mucor* and *Botrytis* in three and a-half hours, *Nocardia*, *Penicillium*, *Amblyosporium*, and *Chaetomium* in about six or eight hours. The idea is the possibility of utilising toxic gas for the destruction of fungi in damp premises.

Colonial and Foreign News.

THE WHOLESALE DRUG HOUSE PHARMA in Cracow is to be transformed into a company, with a capital of 5,000,000 cr. About 60 per cent. of the shares is being taken up by Poles. In addition to continuing its wholesale drug business, the new company proposes to erect a factory for pharmaceutical products.

HUNGARIAN PHARMACEUTICAL PRODUCTS.—The first exports of Hungarian pharmaceutical preparations since the outbreak of the war have been arranged between the firm "Pharmacia" and two Italian wholesale druggists, in Trieste and in Milan. The Hungarian firm is sending to Italy two truck-loads of toilet preparations and packed goods, in exchange for which the Italian firms are supplying bismuth and iodine salts, senega, ipecacuanha, aloes, theobromine, senna, etc.

THE SPANISH MARKET.—A French firm at Alicante reports that the low exchange value of the mark allows Germany to hold her own to some extent in Spain. The following list gives some of the goods the exportation of which from Spain is at present forbidden, and indicates the special needs of the country:

Acetylsalicylic acid, formic, oxalic and salicylic acids, aniline dyes, alum, ammonia, antipyrin, aristol, atropine, benzonaphthol, β -naphthol, bichromate, bromides, carbonate of potash, cyanide, diuretin, ether, heroin, oxalates, protargol, salicylates, salophen, sulphates, tartar emetic, thiocol, xeroform, iodipin, etc.

DANZIG'S NEW PHARMACIES.—The Government President announces that two new pharmacies are to be created in Danzig, the concessions to be granted in accordance with the regulations set forth in the Prussian Royal Decree of June 30, 1894. This means that the new pharmacies will be purely personal concessions. The announcement also states that pharmacists who qualified after 1902 have little chance of competing for these new concessions.

SYNTHETIC NITROGEN.—The production in Germany of synthetic nitrogen available for the coming quarter is estimated at only about 300,000 tons, owing to labour difficulties, but an increase to 500,000-750,000 tons may be looked for when more normal conditions prevail. In Norway an increase of 50,000 to 100,000 tons has probably taken place during the war, and in France plants with an annual production of about 100,000 tons are still at work. In America the large plants started during the war have been closed.

ALCOHOL ABATEMENT ABOLISHED.—The Austrian National Assembly has abolished the reduction on the alcohol tax hitherto granted on alcohol employed in the manufacture of medicinal preparations, and a new regulation has been introduced in favour of sick clubs only. In future all recognised sick clubs will receive an allowance from revenue derived from the taxation of alcohol, amounting to two crowns (nominally 1s. 8d.) per member annually, and for the remainder of the present year a sum of 34 heller (nominally 3½d.) per head. These grants will be increased by half to sick clubs providing compulsory insurance for the family of an insured member.

GERMAN DYES FOR INDIA.—The Secretary of State has informed the Government of India that between 2,000 and 3,000 tons of dyes will probably arrive from Germany as the British Empire's share of stocks. All alizarine dyes will be allotted to India after conversion by the British Alizarine Company into a form suitable for use in India. This dye is already being received in small quantities, and is distributed at a controlled price to consumers only by Latham Abercrombie, of Bombay, and Best & Co., of Madras. Approximately 15 per cent. of the non-alizarine dyes will be allotted to India, and will be obtainable only by consumers and sellers of dyes through their London agents.

DRUG ECONOMY IN AUSTRIA.—To ensure economy in the supply of medicines to hospitals and for the patients of sick clubs primarily, and generally to reduce the cost of remedies, the Austrian Ministry of Health has decided to amalgamate the existing central depôt for medicines

with the sources of medicinal supplies of the with the chemical works of the well-known Röder-Raabe, in Klosterneuburg, and of Fritz Süss, in Blumau. These works will be entrusted to the production of galenic preparations and of specialities. The supplying of such preparations to the patients will, as heretofore, be effected by pharmacists. It is proposed, in time, to include in the arrangement other Austrian wholesale drug and pharmaceutical works.

PENSIONS FOR PHARMACISTS IN SWEDEN.—The question of the pensioning of pharmacists in Sweden is being considered by the Board of the Medical Department in a communication to the Government, which states that the system must be postponed at least one year, at the longest, after 1921. The reason assigned is that the Apoteks Kommitte have only lately submitted their report. A petition has just been presented to the Government by about 700 pharmaceutical assistants and pharmacy owners asking the Government to create a pension for pharmacy owners who at the beginning of 1919 were of the age of sixty-seven years, or those who afterwards reach this age, shall retire on a pension. It is also proposed that the taxes which will be derived from the pension should be determined in accordance with the suggestions proposed by the managers of the Assistants' Union (Farmaceut Forbund).

PHARMACEUTICAL EVOLUTION IN RUMANIA.—There is being presented a movement on foot to separate the pharmaceutical curriculum from the medical faculty, and create an independent pharmaceutical faculty. The movement is supported by some of the professors of the medical faculty of the university of Bucharest, who have presented a petition to the Minister of Education. Funds are at present being collected for a pharmaceutical foundation, to promote the scientific side of pharmacy in Rumania. It is intended to give financial assistance to pharmacists to complete their studies in pharmaceutical chemistry abroad, and to favour the introduction of chemical industry in the country. Already 25,079 lei have been collected for "cultural," as it is called. The pharmacists alone contributed 4,000 lei.

POLAND'S NEW TARIFFS.—A new Customs tariff has been introduced in Poland, based on the model of the Russian tariff. The duty is levied in Polish marks, 100 kilograms, on the following pharmaceutical preparations:

Acetanilid	...	...	...	...
Antipyrin, salipyrin, phenacetin, suphonil	...	...	...	...
salol, guaiacol, guaiacol carbonate, creosote carbonate, pepsin, pepton, santonin	...	...	...	...
Artificial sweetening agents, the sweetening power of which is superior to that of sugar	...	...	...	...
(The importation of the above is permitted only on a licence granted by the Ministry of Finance.)				
Compounded remedies, the importation of which is permitted in accordance with the list of such remedies which may be imported; chemical and pharmaceutical preparations put up in a form ready for use (in single doses); extracts used in medicine	...	...	...	...
Plasters spread on various materials	...	...	...	...
(as far as their importation is permitted).				
In addition to the above Customs duty, extracts and medicines containing more than 15 per cent. of alcohol pay the inland excise duty on alcohol.				
Phosphorus (ordinary and red variety)	...	...	...	...
Ether, collodion, chloral hydrate, chloroform, acetic ether and other ethers free from alcohol	...	...	...	...
Opium and lactucarium	...	...	...	...
(Opium may be imported only under licence granted by the Minister of Finance, and after agreement with the Minister for Public Health.)				

The above rates are levied on the goods together with the containers, no allowance being made for the weight of the latter.

the Profiteering Act.

Prosecutions.

and, on May 28, Taylors' Drug Co., Ltd., were charged for having charged an excessive price for menthergreen cream (*C. & D.*, May 8, p. 50). A fine of 3*l.* 3*s.* costs, was imposed.

The case was concluded at Old Street Police Court, on June 2, before Mr. Cairns, of the case against Walter Hawkins, Ph.C., trading as J. Beedzler of Norton Folgate, E. 1, who was summoned at the instance of the Stepney Profiteering Committee for profiteering in a sale of boric acid (*C. & D.*, May 8, p. 50). Mr. Young, solicitor, again appeared for the defendant, and Mr. Walter Frampton, barrister (instructed by Neve, Beck & Kirby, on behalf of the Defence Association, Ltd.), for Mr. Hawkins. The case, in opening the case for the defence, said that it was refreshing for people in trade to be able to see a legal stipendiary in order to have such a case properly adjudicated upon. In that particular case the defendant felt aggrieved at what took place before the Profiteering Committee. The County of London Appeal Court only upheld the findings of the local Committee after deliberating in private for an hour. The defendant, a chemist of experience. He dealt in boric acid, which was usually purchased by chemists in small quantities, 7*lb.* or 14*lb.* In July of last year Mr. Hawkins went out to purchase boric acid from Messrs. Huskisson. He was informed that it was likely to become scarce and the prices were rising. He therefore purchased rather than 1 cwt. at 95*s.* a cwt. The complainant made a case in February of the present year, when the price had increased from 95*s.* to 125*s.* a cwt. The defendant followed that when wholesale prices approached retail prices had to be increased. The defendant considered that he was entitled to do what a trader had a right to do—namely, to fix his price in accordance with the wholesale price. It was remembered that if wholesale prices fell he would have to reduce their selling prices, even if he was compelled to sell at a loss. The magistrate said that there was no obligation on the part of a retailer to reduce his prices when the wholesale prices fell. Mr. Frampton: Competition would reduce the price. The defendant did not reduce his price would not sell any more. The Magistrate: Supposing traders buy in these quantities and hold up supplies, they produce a rise in price. If that sort of thing was general it would have the effect of bringing about a general rise in prices. Mr. Frampton: It is only the wholesalers who can do that. The defendant could not force up prices. My client was not willing to sell at the current prices. The defendant could sell the better it would be for him, but at about half of his purchase in stock. Counsel said that the defendant purchased the boric acid at 2.55*d.* for 4 oz., and he resold it at 7*d.* The Profiteering Committee declared that to be a gross profit of 175 per cent., and to arrive at that figure they calculated the percentage of profit on the cost price to the defendant. The defendant the wrong way to calculate profits, and no one in the world calculated his profits in that way. The profit was calculated on the turnover, and in the best case the gross profit was 64 per cent., but if it was reckoned on the current wholesale prices, the gross profit would only have been 55 per cent. In a business that was a reasonable profit. The defendant was a chemist pure and simple, and had no side-lines. Messrs. Boots offered. Retail chemists had some 4,000 articles. The Magistrate: The defendant is a business that I know the details of very well. Mr. Frampton: I am glad to hear it, but I must say that those 4,000 articles are all sold in small quantities. All the time the chemists are dealing in pence, and there are no big sales. You cannot compare the rate in the chemists' trade with that earned by the boot retailer, where very much larger sales take place. Counsel called attention to the fact that the Health Insurance Commissioners allowed

chemists who served 4 oz. of boric acid a sum of 8*d.* In pre-war days the rate of gross profit on boric acid was 81 per cent. The defendant, giving evidence, said that he had been a qualified chemist since 1886. Prior to the purchase of the cwt. he had never bought more than 14*lb.* of boric acid at one time. Owing to the enormous fluctuations in recent days various retail price lists were issued by different chemists' associations. All chemists consulted those price lists. The Magistrate: Since the last hearing I have been into several chemists', and have had to pay the same price as the defendant charged. It is therefore obvious that the retailers do sell according to some agreed price lists. Mr. Young, cross-examining, said he understood that one retail chemist in Stepney sold boric acid at 4*d.* for $\frac{1}{4}$ lb. Witness: That is an inadequate profit. Mr. Young: Boric acid is a particularly profitable line to the chemist?—Yes. The Magistrate: Ask the defendant about his profit on Beecham's Pills and Pears' Soap. Witness: And also Zam-buk. On that the profit is only between 5 and 6 per cent. The defendant was asked if he had reduced any of his prices owing to a fall in the wholesalers' price, and he said he had bought bottles of saccharin tablets at 1*s.* 4*d.*, and the price had now gone down to 11*d.* As a result his price had been reduced to 1*s.* 3*d.*, and he was actually selling at a loss. Mr. Young suggested that the object of the price lists published in the trade was to keep up prices. Witness: Certainly not. Mr. Young: If the price lists were not in existence the retail chemists would be selling at different prices, and the object of the lists is to prevent traders selling at less than certain prices?—No. The object is to secure uniformity and to enable us to avoid trouble under the Profiteering Act. Mr. James Atkinson Thompson, chemist and druggist, Broadway, London Fields, E., said he was a member of the London County Executive, and assisted in preparing a price list. Before the war boric acid was purchased at 34*s.* a cwt. and was retailed at 4½*d.* per $\frac{1}{4}$ lb. In cross-examination, the witness said he was not aware that other chemists sold at a less price than Messrs. Boots. He gave it as his opinion that a fair profit for a chemist to make was 50 per cent. Mr. Young: Taking the cost price before the war, and comparing it with the selling price, the profit worked out at 433 per cent. Mr. Frampton: The 433 per cent. is on the cost price, and not on the sale. In answer to the magistrate, the witness said that retail chemists were not bound to charge the full price which appeared in the retail lists. Corroborative evidence was also given by Mr. Arthur William Coulton, chemist and druggist, managing director of Frederick White, Ltd., chemists, Commercial Road, E. In cross-examination, the witness said he could not agree that in pre-war days their gross profit on the sale of boric acid was 433 per cent., and added that they reckoned their profit on their turnover. The witness was asked whether chemists were making a larger profit at the present time than they did in pre-war days, and he replied that they might be making more gross profit, but the percentage was not so high. If a drug had not advanced in price since 1914, they retailed it at the same figure as it was sold at in pre-war days. Those drugs which had doubled in price had not been put up 100 per cent. to the customers. He pointed out that, had they doubled their retail selling prices on goods which had gone up by 100 per cent., boric acid would be sold at a bigger price than 7*d.* for 4 oz. Mr. Young: What do you say would be a fair profit to make on boric acid powder?—We reckon a good 50 per cent.; if a thing costs us 6*d.*, we should sell at 1*s.* That is 100 per cent.?—No; we reckon the gross profit on the sale. You are all banded together to charge one price?—No; the idea is quite different. In answer to Mr. Frampton, the witness said that chemists had to employ skilled dispensers, and the turnover in their shops was not large. The overhead expenses were about 25 per cent. of the turnover. Mr. Frampton stated that he had several more witnesses to call, but the magistrate replied that he had heard sufficient of the case. He went on to say that, when one spoke of a profit of 180 per cent., it looked abnormal, but the evidence before him was to the effect that in pre-war days the profit made on the sale of boric acid was 433 per cent. on the cost

price, or 81 per cent. on sales. The pre-war profit was greater than that made at the present time, but, nevertheless, it looked as if a very substantial profit was made. In considering the profit, however, one had to consider the character of the article, its liability to depreciation, and also the fact that chemists had no special privilege in selling it. Boric acid was a substance that could be sold by a hardware merchant, and if the public wanted to reduce the price they should ask for it at shops other than chemists'. In view of the evidence before him, he came to the conclusion that the case was one of those which came within the scope of the proviso, and that the profit did not exceed the average rate of profit made by other people in the same class of business. Under the circumstances he would dismiss the summons. Mr. Frampton said that, if the prosecution had succeeded, the defendant would have been called upon to pay the costs. He therefore applied that the defendant should be given his costs. The magistrate said he would do nothing which might tend to discourage the Profiteering Committees. Probably the local Committee were justified, on the facts before them, in taking the course they did. Under all the circumstances he could not award costs.

Australian Essential Oils.

THE "Chemist and Druggist of Australasia" has been making inquiries in regard to the distillation of essential oils in Australia, and, in response to their request, the Customs Department has supplied a list of the firms engaged in the business. Eucalyptus oil naturally occupies the foremost place, there being no fewer than fifty distillers on Kangaroo Island, South Australia, six in Adelaide and other parts of South Australia. There are four in Tasmania, one in Queensland, and one in Western Australia. The list is, however, incomplete, as something like 200 have lodged their bonds with the Customs. In addition, the variety of other oils distilled is larger than is generally suspected, as the following list shows:

Essential Oils Distillers in Australia.

Gillard, Gordon & Co., 13 Bridge Street, Sydney.—Geranyl acetate, eucalyptus citriodora.

Farrell, W. T., Coast Eucalyptus Co., Playfair Street, Sydney.—Geraniol.

Felton, Grimwade & Co., Spencer Street, West Melbourne.—Geranyl acetate, lavender, and eucalyptus oils.

Farina, Ltd., Sydney.—Ol. aurantii.

Bloggs Pty., Ltd., 170 Cecil Street, South Melbourne.—Lavender, bay, citronellol, cloves, lemon.

McDiarmid & Co., 53 Little Lattrobe Street, Melbourne.—Lavender and geranium (have not distilled in recent years).

Phillips, F. J. L., 211 Victoria Street, Collingwood, Melbourne.—Lavender, geranium.

Francis, R. P., c/o Newry and Nicholson Streets, Fitzroy.—Rosemary.

Tutton, Geo., Bay View Terrace, Northcote, Melbourne.—Rosemary, neroli, and mandarin.

Bradcock, C. L., 27 Queen Street, Perth, W.A.—Sandalwood.

Railton Lattrobe Shale Oil Co., Lattrobe, Tasmania, shale, oil, and motor agent.

Dancock Bros., Casterton, Victoria.—Experimental.

Eucalyptus Oil.

Kangaroo Island.—Fifty distillers.

South Australia.—Woodside, Adelaide, Faulding & Co., Scammell, L. R., Voit, H. (Chancery Lane), Nottswell, *via* Blanchtown (1), Port Lincoln (1).

Tasmania.—H. T. Gould and three others.

Queensland.—Geo. Ingham, Coowong, Rockhampton.

West Australia.—T. A. Stewart, Harris Smith.

New South Wales.—Gillard, Gordon, Ltd., W. T. Farrell (Coast Eucalyptus Co.), A. J. Badwell, M. A. Hill (Coleman & Co.), Hammond St. Grenfell.

Victoria.—Felton, Grimwade & Co. (This is obviously incomplete.)

Great encouragement is given to the local distillation of essential oils by the Excise regulation which permits the use of duty-free Australian spirit in the manufacture of perfume, if it is converted into a primary perfume by the addition of other Australian products to such an extent as effectively to denaturise the spirit. Retail

chemists, as to whom the Collector of Customs is that they manufacture and put up their own preparations, may be regarded in this connection as *bona-fide* perfume manufacturers. No single perfume oil may be used, and as a general rule than 2 oz. of essential perfume oil, non-spirituous be added under official supervision to each spirit. For the manufacture of toilet preparations an officer must be present when the approved ingredients are added in approved quantities to the spirit. Recipes and formulas for manufacturing must be submitted for examination by the Federal analyst, Melbourne. No essential oils for perfume-making are to be used unless certified by a Customs analyst as non-spirituous.

Bloggs Pty., Ltd., produce many other items of oils and synthetical preparations than the list indicates, most important of which are ionone, citronellol, artificial otto of rose, jasmin, and neroli, the bulk of which is absorbed in their own manufactures of perfumery toilet soaps. The oil of lavender they distil from grown flowers has been pronounced equal to Mian which indicates that Victorian climatic conditions are pitious for producing the best oil of lavender.

J. Bosisto & Co. have taken over from Felton, Ltd., & Co. the distilling of essential oils. They distil *Euc. macarthurii*, which yields from 60 to 75 per cent. geranyl acetate and some free geraniol, oil of rose, oil of lavender.

Ol. Eucal. Macarthurii.—Limited supplies are available, increasing each year; distilled in January and yield about 0.2 per cent.; price, 15s. per lb.

Ol. Lavand., Ol. Rosmarini.—They have the seeds of these only in the experimental stage, and distill them from other growers to a small extent. All their distillates use themselves. Of lavender, the flowers are ready seasons about the last week of December, and yield 0.7 per cent. of oil. They manufacture geraniol from *Eucal. macarthurii*, and sell it, though the profit is yet all that they desire.

Gillard, Gordon, Ltd., produce an 85-per-cent. acetate from *E. macarthurii*, and have about 100 tons carrying this species which they are distilling. Their distillate at present does not run into more than a couple of tons per annum, but they are planting up other areas, trust in the course of a few years to have large supplies available. The oil is distilled between February and May. The geranyl acetate sells at 25s. per lb., less trade discount. *E. citriodora* they have also been working, but with limited supplies—about two tons a year—available at present, until these areas are planted. This is essential, as the species is so scattered over the bush that they cannot get the results they desire. They have prepared plans for the plant for making citronellol from the oil citriodora, but cannot proceed with the work until they have greater quantities available. The oil is distilled throughout the year, and is sold at 10s. lb., less trade discount. They have just installed a eucalyptol fractionating plant, and will be able to supply fifty tons a year London prices. They claim to be the largest actual distillers Australasia, having a considerable number of plants in large areas. They have permanently employed a chemist, an assistant, and a botanist to give the necessary attention to placing the business on a scientific basis.

PIPERITONE AND OL. EUC. MAGACARPA

The isomer piperitone, a ketone which occurs in the oil of *E. Dives* and *E. radicata*, was first thought to be menthone and then an isomer of menthone, the stone of ordinary peppermint oil.

The following table will show its resemblance to menthone, and also to pulegone:

Ketones	Formula	B.Pt.	Sp. Gr.	Op. Rt.	Ref. Ind.	Relation to menthone
Pulegone	C ₁₀ H ₁₆ O	224°C.	0.939	20-23	1.494-1.498	is not combinate
Menthone	C ₁₀ H ₁₈ O	208°C.	0.894	20-28	1.450-1.451	is not combinate
Piperitone	C ₁₀ H ₁₆ O	225°C.	0.939	Abt. 1	1.4930	is not combinate

Menthone on reduction gives a white solid alcohol, menthol, m.pt., 43-45° C. Piperitone on reduction gives a white solid compound, probably the corresponding alcohol, m.pt., 155-156°. Piperitone is colorless, or has a faint yellowish tinge at most. It has pleasant

int odour, and in many respects it resembles both eucalyptol and menthone.

Investigation on the essential oil of *Eucalyptus* was undertaken at the Technological Museum, on material supplied by Mr. Lane Poole, the Director of Forests in Western Australia. The oil shows promise from a commercial point of view, of particular scientific interest, as it contains the terpene, never previously detected in eucalyptus. Mr. H. G. Smith, assistant curator, read a paper on the subject before the Royal Society of New Zealand at the December meeting. He tells us that the terpenes present in the oil were pinene, cineol, and probably dipentene. The oil also contained a small amount of cineol. Limonene is a rare terpene in eucalyptus oils, particularly from species growing in the southern portion of the continent, and the chief terpene in these oils, besides pinene, is phellandrene. Hydrocarbon does not seem to be present in the oil of this Western Australian species. Both phellandrene and terpinene form solid nitrosites, and it is peculiar that one terpene should occur in eucalyptus oils from the north and the other in those from the western portion of the continent. The nitrosite with terpinene is more soluble than the corresponding one with phellandrene, and melts at a higher temperature. Terpinene is found in essential oils, but is not difficult to prepare artificially. It was first recognised as a definite terpene by Wallach, and was first discovered occurring in cardamom oil. It may be prepared from terpineol, geraniol, cineol, and similar terpenes, and this formation is therefore particularly significant in this connection.

EUCALYPTUS INDUSTRY IN VICTORIA.

Eucalyptus oil distilled from forest areas in 1917-18 amounted to 806,977 lb., an increase of 161 tons on the year. The areas in the north-west, mainly in the Wood-Wedderburn district, chiefly bear trees of the mallee species, and are now regularly cultivated on the coppice system. They are not classed as forest land, but arrangements have been made with the Government for the issue to eucalyptus distillers of licences. In the Wombat forest, in the Central Victorian district, where a number of small stills are at work, the eucalypt tree only is used; most of the plants are old and are not properly equipped. At Bendigo, the foliage of red and white ironbark is used, and several good mills, and the industry is useful in producing large quantities of surplus coppice growth, which is to be removed in the treatment of the young trees.

AUSTRALIAN SANDALWOOD OIL.

It has been found that this does not contain santalol, but a related chemical compound. Medical practitioners have used the Australian oil considering it quite suitable for medicinal purposes to the true sandalwood oil, but possessing its deleterious effects. The Western Australian committee has referred this subject to the Institute for complete tests of the chemical and pharmaceutical properties of the oil in order that it might be taken to have the Australian oil inserted in the British Pharmacopœia.

New Companies and Company News.

Private Company and R.O. Registered Office.

PEARE MANUFACTURING CO., LTD. (P.C.).—Capital, 500l. Objects: To carry on the business of manufacturers and dealers in chemicals and chemical by-products, etc. Director: A. C. Russell. R.O.: 7 Denman Street, London, S.E.

THE CHEMISTS, CENTRAL PHARMACY, LTD.—Capital, 500l. Objects: To carry on the business of wholesale or retail dispensing or agricultural chemists, etc. Directors are: A. Robin, 207 Ordnance Road, London, E.C. 6; engineer; and E. M. Scott, 154 Ordnance Road, London, E.C. 6; pharmacist.

ANZORA PERFUMERY CO., LTD. (P.C.).—Capital, 7,000l. Objects: To take over the business of a manufacturer of and dealer in creams, perfumes, and toilet, skin, and hair preparations, formerly carried on by the late C. S. Lewis, and now by Mrs. E. A. Lewis, at Willesden Lane and High Road, Kilburn, as the Anzora Perfumery Co. First director: Mrs. E. A. Lewis. R.O.: 23 Willesden Lane, London, N.W.

J. RYMER YOUNG, LTD. (P.C.) Capital, 5,000l. Objects: To take over the business carried on at 40 and 42 Sankey Street, and 1 King Street, Warrington, by J. Rymer Young, as from January 1, 1920, and to carry on the business of chemists, druggists, opticians, dry-salters, pill and tablet manufacturers, etc. The directors are: J. Rymer Young, Hill Cliffe, Warrington, pharmaceutical chemist, and C. H. Wells, 4 Palmira Square, Warrington, pharmacist.

UPRESSIT METAL CAP SYND., LTD. (P.C.).—Capital, 50,000l. Objects: To acquire an option to purchase patents Nos. 23,843 of 1912 and 105,547 of 1913, covering an invention known as the Upressit Cap, used for closing and sealing bottles, tins, and containers for chemists' sundries, etc., and to adopt an agreement with Jackson Mitchell. The Spengler International Bottle Cap Co., Inc., have granted to the said Jackson Mitchell an option, to be exercised before May 5, 1921, to purchase the said patents and benefits of improvements therein for 60,000l., to be reduced to 50,000l. if purchased before January 5, 1921. R.O.: 6 Greyhound Street, Nottingham.

BRUNNER, MOND & Co., LTD.—The directors have declared an ordinary dividend for the half-year ended March 31 last at the rate of 12½ per cent. per annum, making 11¼ per cent. for the year, less tax. A sum of 50,000l. is placed to suspense account, 150,000l. is charged against profits for depreciation, and 126,000l. is carried forward. Last year the dividend was 10 per cent.

THE SOCIETY FOR CHEMICAL INDUSTRY, BASLE, has increased its capital from 15,000,000fr. to 20,000,000fr. by the creation of 5,000 new shares of 1,000fr., which are to be issued free of charge to the present shareholders at the rate of one new share for three old ones. In addition, a dividend of 15 per cent. has been declared for the past year. It may be observed that for 1918 a dividend of 27½ per cent. has been paid, in addition to which the shareholders received at the time a bonus share of 1,000fr. for five old shares. Consequently the capital of the company has been increased out of profits in two years from 12,500,000fr. to 20,000,000fr.

BOOTS, LTD.—The New York correspondent of "The Times" states that the United Drug Co. ("Rexall") is negotiating for the purchase of Boots Pure Drug Co., Ltd. No confirmation of this is obtainable here, but it will be recalled that Mr. Louis K. Leggett, of the American United Drug Co., was recently on a visit to this country, and he displayed considerable anxiety to extend the operations of the American company in the United Kingdom. Boots Pure Drug Co., Ltd., is the parent company of the various Boots undertakings. The capital is 1,500,000l. in 10,000l. 7 per cent. cumulative "A" preference, 25,000l. 6 per cent. cumulative "B" preference, 100,000l. 6 per cent. cumulative "C" preference, 120,000l. 7 per cent. "A" preferred ordinary, 245,000l. 7 per cent. "B" preferred ordinary, 400,000l. 7 per cent. "C" preferred ordinary, 500,000l. 7 per cent. "D" preferred ordinary, 100,000l. ordinary shares, and the whole is issued except 90,000l. "D" preferred ordinary. The company is controlled by the Boots family, and does not publish reports, so that no definite idea can be formed as to the profits, although these are assumed to be large. The company controls the various Boots companies which between them carry on a large number of retail pharmacies in Great Britain. One of these—Boots Cash Chemists (Eastern), Ltd., with a capital of 300,000l., regularly issues reports. The United Drug Co. is an American concern, with headquarters at Boston, U.S.A., and a depot in Liverpool, from which Rexall agents in the United Kingdom are supplied.

C C

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Chemistry of Rhubarb.—Tschirch states that the value of rhubarb depends upon the presence of anthraquinone derivatives, particularly emodins, which act as a purgative even in small doses, and upon the characteristic smell of the drug, due to the presence of rheosmin, which is peculiar to the Chinese drug, especially to the rhizomes of *Palmatum* varieties. The presence of anthraquinone can be demonstrated by the test included in the Swiss Pharmacopœia: 0.01 gram of rhubarb boiled with 10 c.c. of potassium hydroxide (1-per-cent. solution) yields a filtrate which on being slightly acidified by the addition of hydrochloric acid and immediately shaken with 10 c.c. of ether imparts a yellow colour to the latter. If the ethereal solution is shaken with 5 c.c. of ammonia, the latter is coloured cherry-red (emodin) and the ether remains yellow (chrysophanic acid).

Pepper Substitute.—Lendner ("Jour. Suisse de Pharm.," No. 41, 1919) states that the powdered unripe fruits of bitter orange are extensively used as an adulterant for pepper, and recently a mixture of this powder and piment (powdered capsicum?—Ed.) has been placed on the market as a substitute for pepper. One of the characteristic constituents of unripe oranges is hesperidin, which occurs in the shape of more or less rounded yellowish masses. This substance, classed among the phloro-glucosides, is split up into rhamnose, glucose, and hesperetin; the latter, in the presence of caustic potash, yields phloroglucin and isoferruic acid. Upon the production of phloroglucin the author sought to discover a test for the presence of unripe orange powder by placing small amounts of the pepper to be examined on a small board of fir wood, and adding concentrated hydrochloric acid, in some cases after the addition of caustic potash. The wood was washed with water after an hour's action, and the formation of a reddish-carmine stain demonstrated the presence of phloroglucin. This test, however, did not yield good results in the case of a mixture of ingredients, and Lendner recommends a method permitting the recognition under the microscope of the characteristic structure of unripe orange by adding 4 per cent. caustic soda to the powder on a slide which dissolves the hesperidin, and after removing the excess of caustic soda by washing with water, one drop of Congo red solution is added. The unripe orange cells are recognisable by their red coloration, and by the shape of the colocytes.

Capsaicin.—Lapworth and Royle ("Jour. Chem. Soc.," 1919, I., 1109) have carried out a lengthy investigation on the active principle of capsicum fruit, which, however, appears to have been simultaneous with the work of Nelson ("J. Amer. Chem. Soc.," 1919, 61, 1115). In regard to the work of the latter chemist, Lapworth and Royle state that it renders some of their own previous views obsolete, although they do not unreservedly accept all Nelson's views. The capsaicin was prepared from an extract of West African capsicums made by James Woolley, Sons & Co., of Manchester. This was mixed with hot water and ammonia, and the mixture heated on the water-bath with barium chloride. The clear liquid is separated from the deposit and extracted with ether, and, in order to obtain a good yield, the deposit is also extracted with ether. The ether is evaporated, the extract is treated with methylalcoholic solution of barium hydroxide and boiled to destroy fatty matter. Glacial acetic acid is added, and the methyl alcohol driven off. The residue is extracted with dry acetone, and the latter removed by evaporation, the residue consisting of fairly pure capsaicin. It is dissolved in caustic-alkali solution and the solution extracted with ether. A current of carbon dioxide is then passed, and the precipitated capsaicin is isolated by extraction with ether. It may be obtained pure and crystalline by saturating a warm aqueous alkaline solution of the crude material with ammonium chloride, when it separates out. The authors found pure capsaicin to melt at 64°-65°, and it yielded analytical results agreeing with the formula $C_{18}H_{29}O_3N$, which the authors consider may be written $C_{17}H_{23}ON(OH)(OCH_3)$. The general characters of capsaicin described by Thresh, Micko, and Nelson, other than its formula, are confirmed, and the authors considered that it was a disubstituted derivative of dihydro-oxazole. Nelson, however (*loc. cit.*), has obtained from capsaicin, by the action of acids and alkalis under pressure, vanillylamine and a dicyclic acid having a branched chain. He regards capsaicin as an acid amide, a view which Lapworth and Royle do not regard as necessarily final. Further work on this interesting body will be of considerable interest.

Medical Gleanings.

Malaria.

WRITING in the "British Medical Journal," M. Drake-Brockman recommends as the treatment of a genuine case of malaria ten grains of sulphate of quinine in solution daily before breakfast. The treatment should be complete at the end of three months should no relapse occurred. The patient is then given a tonic. Relapses will occasionally occur, but soon cease if the treatment is persevered in.

Novarsenobillon and Mercury.

INJECTIONS of a mixture of 0.45 gm. of novarsenobillon and 2 c.cm. of a 1-per-cent. solution of mercuric chloride have been given by Dr. Reginald Johnson with excellent results ("British Medical Journal," 1920, I., 1109). The solution is injected into the vein in the usual manner. The chief advantages of the combined use as recommended by Johnson are: (1) The mercury gets into the circulation and there is no fear of abscess, pain, or limping; (2) The fever clears up more quickly than when using the drug alone; (3) The treatment is—i.e., intravenously and intramuscularly; (4) The disease has not occurred in his experience; (5) At the completion of the course the blood was negative in 100 per cent. of the cases.

Therapeutic Value of Oxygen.

WRITING in "The Lancet" (1920, p. 569), M. H. Ellis states that oxygen prepared from potassium chlorate and manganese dioxide, thus containing a trace of chlorine, is a hypnotic of considerable power, and is in irritable heart with insufficient aëration. The oxygen, which the writer calls "dead oxygen," is found to be only convenient for administration during general anaesthesia. The third variety of oxygen which was experimented with therapeutically was obtained by dropping water on sodax, a form of dioxide of sodium. The result of administering oxygen in this form was a remarkable increase of metabolic action. "Dead oxygen" is sufficiently active to necessitate careful regulation of the dose, and the best period of administration varied from two to fifteen minutes. Sodium oxygen, he concludes, is evidently more active than the other forms of oxygen, and will be found to be a therapeutic agent of no mean order.

Calcium Lactate Mixture.

DR. GARRY SIMPSON, in the "British Medical Journal" (3099, 1920), directs attention to the fact that many of the disappointments experienced with calcium lactate as a hemostatic were due to it not having been freshly prepared, and advises the following method of preparation, which has given gratifying results:

Acid. lactic. 75 per cent. ... gr. cxl.
Aq. dest. 3iv.

To which add in successive portions:

Calc. carb. precip. gr. lvii.

After effervescence subsides add:

Tr. capsici mxij.
Syr. limonis 5ij.
Aq. chloroformi ad 3vj.

Each tablespoonful contains 10 gr. of freshly prepared calcium lactate, which is the average dose for a child.

Fossils and Plant-Life.—Dr. F. O. Bower, lecturing recently at the Royal Institution, London, said that fossils have been discovered in Aberdeenshire which are believed to be the earliest form of plant-life yet known; they are preserved in such perfection of detail that they may be studied as well as the living plant. The specimens permitted new interpretations of the origin of flora and filled a gap which had long puzzled botanists. The discovery of these remains was Dr. William Mackie, whose introduction of calcium iodate (calcinol) to general notice was recorded in the *C. & D.*, I., 01, p. 12.

Trade-marks Applied for.

es in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, See "The Chemist and Druggist Diary" 1920, p. 308.

"The Trade-marks Journal," March 31, 1920.)

""; for vanishing cream, soap, and toilet powder (48). By F. W. Sears, 18 Jeffreys Place, London, E.C. 1. 398,636.
"OPTUM"; for perfumery, etc. (48). By Société d'Hygiène Ramses, 30 Rue d'Hauteville, Paris. 399,387.
""; for hair brushes, comb and case; for solid brilliantine (48); device of tooth-brush, sun, and moon; for talc powder (48); device of collapsible tube; for tooth paste (48). By A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1. 400,232.
"THE EAST"; for perfumery, etc. (48). By The Eastern Drug Houses, Ltd., 22-30 Graham Street, City of London, N. 1. 400,449.
""; for soap (48). By G. W. Goodwin & Son, 11 Lane Soap Works, Manchester. 400,515.
"EVENING HOUR"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove, Sussex. 400,615.
""; for shaving-brushes (50). By British Metal Products, Ltd., 47 Eden Street, Kingston-on-Thames. 400,629. (Associated.)

"The Trade-marks Journal," April 7, 1920.)

"SUN", with picture of mounted Arab in desert riding sun; for chemicals, etc. (1). By Mann & Co., 7 St. Michael's Alley, Cornhill, London, E.C. 3. 399,3. (Associated.)
""; for star on circle; for photographic chemicals and photographic dyes (1). By Gregory & Co., Byars Laboratory, Hamill Road, Burslem, Stoke-on-Trent. 399,057.
"PREVENTS HEAT PENETRATION"; with device; for rubber boots (1). By Celite Products Co., 1135 Van Nuys Avenue, Los Angeles, California. 398,863/871. (Associated.)
"FEDERATION" and "FEDERATION"; for poultry and poultry medicines (2), and for food substances for poultry and animals (42). By A. H. Summerton, 100 Park Road, Hockley, Birmingham. 398,640/641/644. (Associated.)
""; for cock standing on egg; for poultry disinfectants, etc. (2). By L. Parcell & Co., Mill House, Wold Road, Bawdon-Humber. 399,261.
""; for all goods (2). By J. F. Barvoets, Spencer Street, Everton, Liverpool. 398,873. (Associated.)
""; for insecticides (2). By the Yalding Manufacturing Co., Ltd., nr. Hampstead Lane, Yalding. 399,677.
""; for chemicals (2). By C. A. Langham, 1 King's Road, Hove, Sussex. 399,756.
"BLOOM EXTRACT OF MALT", with picture of corn for medicinal extract of malt (3). By T. McMullen & Co., 42 Victoria Street, Belfast. 393,956. (Associated.)
"BRAND INHALANT"; for medicinal inhalants (3). By P. Harbord, 42 Coram Street, London, W.C. 1. 398,453.
"BRAND" on device of armour headpiece and shield ("Casson" disclaimed); for medicinal chemicals (5). By the Casson Chemical Co., Ltd., 23 Newton Road, Westbourne Grove, London, W.C. 2. 400,297. (Associated.)
""; for food substances (42). By Wylie & Co., Ltd., 30 Lane, Eastcheap, London, E.C. 3. 390,673. (Associated.)
""; for goods (42). By Lichtenstein & Co., High Street, Uxbridge, Middlesex. 396,490.
""; for concentrated beverages (42). By Clayton Brothers (France), Ltd., 43 Rutland Street, Pimlico, London, S.W. 1. 399,630.
"GO BABY" under picture of baby on circle with words "A HAPPY BABY MAKES A HAPPY MOTHER"; for food substances (42). By J. Nathan & Co., Ltd., 38 Racechurch Street, London, E.C. 3. 399,778. (Associated.)
""; for food substances (42). By J. F. Kelly, 234 West Housatonic Street, Pittsfield, U.S.A. 399,809.
""; for non-alcoholic cordials (42). By Idris & Co., Ltd., 120 Pratt Street, Camden Town, London, N. 1. 400,129.
""; for mineral waters, etc. (42). By McKenna & McNeily, Ltd., Bath Place, Belfast. 399,842.

"EBEGUDO"; for all goods (44). By W. M. Kneale, 4 Old Hall Street, Liverpool. 400,200.
"SULFANO"; for mineral waters, etc. (44). By N. Paul & Co., Ltd., 33 King's Road, St. Pancras, London, N.W. 1. 400,631.
"EUXOS"; for perfumery, etc. (48). By Thomas & Gregory, The College Pharmacy, Bath Road, Cheltenham. 398,932.
"ANZORA VIOLA" and "ANZORA CREAM", with pictures of man before and after use, and words, "MASTERS THE HAIR" (pictures disclaimed); for hair and skin preparations (48). By Eliza A. Lewis, 28-34 Willesden Lane, Kilburn, London, N.W. 6. 397,103/4. (Associated.)
"SPINELY"; for perfumery, etc. (48). By Arcco, Ltd., 11 Southampton Row, High Holborn, London, W.C. 1. 399,765.
"STIDOL"; for dentifrices (48). "DENTOMA"; for perfumery, etc. (48). By Hershman, Ltd., 17-21 Tontine Chambers, Dixon Lane, Sheffield. 400,093/094.
Device of mirror, candlesticks, and perfume spray; for toilet cream (48). Device of shaving brush with wings; for shaving powder (48). By A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1. 400,231, 400,233. (Associated.)
"QUELQUES PENSÉES (A FEW THOUGHTS)"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove, Sussex. 400,616.
"LA CHEVELURE" under circular device including monogram "A M" and words "STIMULATING, RELIABLE, RESTORATIVE" ("La Chevelure" disclaimed); for hair preparations (48). By A. Morier, 1 Woodville Gardens, Golders Green, London, N.W. 4. 400,463.

(From "The Trade-marks Journal," April 14, 1920.)

"LANASUN"; for all goods (1). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 391,225. (Associated.)
"PERINA W" ("W" disclaimed); for chemicals (1). By R. A. Kinder, 12 Painsage Road, Heaton Moor, Stockport. 396,687.
"SOLLYTE"; for electrolytes (1). By Haslam & Stretton, Ltd., 11 Windsor Place, Cardiff. 398,050.
"LOCK HOME DYES", with device, including padlock; for dyes (1). By Home Needs, Ltd., 14 Albert Street, Harrogate. 400,945.
"GLUTACK"; for fruit-tree banding material (2). By the Yalding Manufacturing Co., Ltd., near Hampstead Lane, Yalding, Kent. 399,532. (Associated.)
"COLLIDICE"; for non-poisonous insecticides (2). By T. Saunders, 49 Oxford Street, Gloucester. 399,739.
"PAYMASTER"; for sulphate of copper (2) and for medicinal chemicals (3). By W. Gossage & Sons, Ltd., Widnes, Lancs. 400,316/7. (Associated.)
Star-shaped device; for sulphate of copper (2). By Capper Pass & Son, Ltd., Mill Lane, Bedminster, Bristol. 400,519.
"KER-NAK" LAXATIVE & TONIC, with fruit device; for pills (3). By Ker-Nak Natural Remedy, Ltd., Jowett Lane, Leeds. 397,998. (Associated.)
"TANNEK BRAND OINTMENT"; for an ointment (3). By Clare Tanner, 30 New Street, Burton-on-Trent. 398,203.
"NIPS BRAND MEDICATED TABLETS"; for medicated tablets (3). By W. Butterfield, 512 Lytham Road, Blackpool. 399,100.
"PROCTEX BRAND MEDICATED PREPARATIONS"; for medicated skin preparations (3). By J. Boor, 218 Hyde Road, Manchester. 399,258.
"ELEX"; for electrical instruments, etc. (8). By J. J. Eastick & Sons, 3 Belfast Road, Stoke Newington, London, N. 16. 399,710.
"B S", forming device on circle; for all goods (8). By Barr & Stroud, Ltd., Caxton Street, Annesland, Glasgow. 399,749.
"EDISWAN"; for philosophical instruments, etc. (8), and for surgical instruments, etc. (11). By the Edison Swan Electric Co., Ltd., 123-125 Queen Victoria Street, London, E.C. 4. 400,158/9. (Associated.)
"NITOX"; for detoxicated vaccines (11). By Genatosan, Ltd., 12 Chenies Street, London, W.C. 1. 399,923.
"KARO"; for food syrups (42). By Corn Products Refining Co., Whitehall Building, Battery Place, New York, U.S.A. 396,026.
"LIBERTY"; for maltless beverages (42). "MAID OF HONOUR"; for syrups, etc. (42). By Richardson Corporation, 1069 Lyell Avenue, Rochester, U.S.A. 396,828. (Associated.)
"ENGLESWEET"; for food substances (42). By G. Guest & Co., 5 Oswald Street, Glasgow. 399,924.
"HOME QUEEN" and "SERAFLO"; for all goods (42). By Keyes' Daren Mills, Ltd., Lower Hythe Street, Dartford, Kent. 400,052/054.

Association Affairs.

General Workers' Union.—A meeting of the Newcastle-on-Tyne Pharmacists' branch of the National Warehouse and General Workers' Union was held on June 1. Mr. W. H. Burn (Gateshead) presiding. Mr. J. Gilmour, National organiser, urged that pharmacists should join in the general demand for higher wages to meet the increased cost of living. Mr. J. C. Swanston (Newcastle organiser) also spoke, and a resolution was carried in favour of the adoption of the National rates of pay in the district.

London (N.).—The annual meeting of the North London Pharmaceutical Association was held on May 27, the President (Mr. C. W. Andrew) in the chair. The address from the chair dealt with the various activities of the Association during the session. With reference to the Metropolitan Federation it was impossible to come to an agreement, so a special meeting is to be called for June 16 to consider the question of affiliation. Mr. C. W. Andrew was re-elected *President*, Mr. A. H. Jenkin *Vice-President*, Mr. C. W. Matthews *Treasurer*, Messrs. Skinner and Weiss *Secretaries*, Mr. C. T. Bennett *Auditor*, and Messrs. Bowie, Hearle, Walters, Anderson, Honiatt, Webster, Barton, Downing, Todd, Carter, Felton, and Humphrey were elected as the *Committee*, and Messrs. Mumford, Webster, and Bowie as the *Social Committee*; *Bowls Skipper*, Mr. Bowie; *Shooting Captain*, Mr. A. T. Honiatt. The annual outing was arranged for June 24. After the meeting a whist-drive was held.

London (W.).—The annual meeting of the Western Pharmacists' Association was held at Pinoli's Restaurant, Wardour Street, W., on May 27, the President (Mr. H. S. Watson) in the chair. The report, read by the general secretary (Mr. B. R. Wilkinson), showed that the membership at the close of the session was 393, making, with the honorary members, a total of 400. So efficiently had the sub-district officers carried out their duties that 409 subscriptions had been received from 400 members. (Laughter and applause.) The report of the treasurer (Mr. H. R. Procter) showed a balance at the bank of 46l. 3s. The sum of 5l. 5s. was voted to the Benevolent Fund of the Pharmaceutical Society, and a cheque for 5l. 5s. was presented to Mr. A. R. Melhuish by way of recognition of his strenuous activities in connection with the recent Council election. Mr. Melhuish, who received an ovation, made a brief and felicitous acknowledgment. It was agreed that the proprietor of Pinoli's Restaurant be thanked for the use of a room, and that the election of representatives to the Pharmaceutical Committee be left to the General Committee. Six members were elected to the General Committee, by ballot, in the following order: Mr. H. R. Procter, Mr. B. R. Wilkinson, Mr. J. P. Ellerington, Mr. E. White, Mr. C. G. Bonner, Mr. J. Widgery. Votes of thanks were accorded to the President and Mrs. Watson, to the officers of the Association, and to the scrutineers of the ballot (Messrs. C. H. Hampshire and W. Wilkinson). Messrs. G. W. Evans and G. Roe were appointed auditors for the ensuing year; and a proposal to increase the annual subscription to 7s. 6d. was adopted after a discussion revealing a concurrence of opinion in favour of the change. The present position in regard to federation was touched upon incidentally by some of the speakers, who included the President and Messrs. Shirliff, Barrett, Tocher, and Lloyd.

Plymouth.—At a meeting of the Plymouth Association of Pharmacists, held on May 21, a sub-committee composed of Messrs. Ancliffe, Barge, Cocks, Marrow, Martin, Park, Roper, Shelton, and Turney was appointed to prepare a record of the war services of local pharmacists and those engaged in pharmacy. The sub-committee met on May 27 and appointed Messrs. Ancliffe and Roper as editors. It was decided to issue a circular to all in the district connected with pharmacy.

Salford.—The annual meeting of the Salford Pharmaceutical Association was held on April 20, when the President gave a short account of the work done during

the past session. The new Council was elected voting, Messrs. Cuttiford and Thompson replacing Simmons and Gill. The treasurer's report was tory, showing a balance in hand of 8l. 0s. 8d. The elect is Mr. H. Stout, of Pendleton, one of the founders of the Association and its first secretary. Davison was re-elected secretary, and the Association accepted Mr. Harrop's resignation as treasurer with a letter was read with reference to the compilation of a permanent record of services rendered by men and women connected with pharmacy during the war. The matter appeared to require an enormous amount, it was decided to leave the matter to the Council to report. Mr. Cuttiford gave notice that at the meeting of the new session he would propose annual subscription be raised.

Sheffield.—At a meeting of the Sheffield Pharmaceutical Students' Association held on May 28, 1916, Dr. Wyatt Gunning gave a lecture on *Harmonic Vibrations*. He introduced the vortex in a steel plate, showing the plate on which, for the first time, the vortex was demonstrated before the late Lord Kelvin at a meeting of the Royal Society twenty years ago.

West Ham.—A meeting of the West Ham Association of Pharmacists was held on May 20, Mr. E. Lloyd in the chair. The secretary of the Local Associations Executive wrote acknowledging receipt of a letter calling the attention of the L.A.E. to the small margin of profit allowed by certain manufacturers to their proprietaries and urging the Executive to take immediate action to obtain better terms. A report of the annual meeting of the delegates of the Metropolitan Federation of Associations was read. The secretary had been asked for information with regard to allowances on Pharmaceutical Articles Trade Association articles in connection with clubs, and after some discussion it was agreed to take the opinion of the secretary of the P.A.T.A. as to whether or not it was a contravention of the terms of sale to allow any commission on these articles. It was agreed to form a sports committee to deal with the formation of a tennis club. After the meeting a lecture on *The Name and Uses of Biological Products* was given by Dr. Stanley White. Members of the medical profession and others interested had been invited, and the chair was taken by Dr. Frank Challans.

Business Changes.

TAYLORS' DRUG CO., LTD., have purchased the business of Mr. T. Waddington, 30 Regent Road, Morecambe.

MR. FREDERICK LINER, chemist and druggist, has acquired the business of Mr. F. A. Hanworth, chemist and druggist, at 156 King Street, Great Yarmouth.

THE business of the late Mr. Dino Judah Nam, importer and merchant, Mousky Street, Cairo, who died recently at Tripoli, has been acquired as from April 22 by Mr. Enrico Nahum.

THE SOCIETY FOR CHEMICAL INDUSTRY in Basle has entrusted the exclusive sale of all its products in Spain and the Spanish Colonies to a newly constituted company styled Ciba Sociedad Anonima de Productos Químicos, Calle Cortes 661, Barcelona. M. Segismundo Nejar has been appointed director of the new company.

SIEMENS BROS. & CO. (LIM.) are taking over the works and supplies department of Siemens Brothers' Works (Lim.), and at the same time making provision for a largely increased output in metal flanges, which will be sold under the trade name "Xcel". The company's showrooms for trade buyers at 38, Upper Thames Street, London, E.C., have been redecorated and refitted.

MASTICH.—Writing from Chios, Greece, H. Consul states that the annual yield of mastich is about 500 tons. It is exported chiefly to Germany, Austria, and forms an ingredient in boot varnishes, etc. It has been exported to the United States.

General Medical Council.

General Medical Council opened its summer session at 11, Strand, London, W., on June 1, when there was good attendance of members, two only (Mr. MacAlister, who had not yet back from U.S.A., and Dr. Hepburn, who was away on his college duties) failing to answer to the roll. A number of familiar faces were, however, present. The four absentees of last summer session were replaced by nine. "Never before, I think," said Mr. MacAlister, "has the President had to record the absence of so many as nine members in one year." Sir James Bowne and Dr. Latimer are followed as representatives by Mr. R. A. Bolam, M.D., Newmarket, introduced by Sir Jenner Verrall, and Mr. Edward Turner, F.R.C.S., London, introduced by Mr. MacAlister. To succeed Dr. David Knox, who, after 15 years of office, retires on the ground of ill-health, the Council has elected Sir James Bowne, F.R.C.S., London, as President. Dr. James Alexander Adams, Sir James Windle has been called to a responsible post in the Council. The greatest loss that the Council have sustained is the retirement of Sir Charles Tomes, who has held the office of treasurer for twenty-two years; to his management of the Council's funds and property, his business acumen, they are indebted, said the President, for their secure financial position. Sir James Bowne is also their chief counsellor in matters of administration. To take his place in the latter capacity, the Council has appointed Mr. Norman C. Bennett, F.R.C.S. Mr. Waring was elected by the Council, in place of Dr. Norman Walker, to succeed Sir Charles Tomes as junior treasurer. Honours have been conferred on members, Sir James Hodsdon getting the C.B.E., and Colonel Waring, Dr. Caton, and Dr. Langley getting the C.B.E.

PARLIAMENTARY MATTERS.

Dealing with various academic matters, the President, in his address, said the promised legislation for amendment of the Dentists Act has not yet been introduced in Parliament, though it is stated officially that it is soon to be introduced. It appears that a Bill made on behalf of the Privy Council, will be introduced to deal with dental registration, inasmuch as dental registration is common to the whole United Kingdom, and is also common to the Dominions also; and that other measures promoted by the several Ministries of Health are necessary to give effect, in their respective spheres, to the kingdom, to such proposals for the improvement of dental service in relation to the health of the country as are set forth in the Report of the Departmental Committee on Dental Practice. The Council has already considered these proposals and expressed its views on them in detail. It will be necessary to instruct the Executive Committee, or a special Committee appointed for the purpose, to watch the progress of the Bill during the summer and to take steps to ensure that the account is taken of the General Medical Council's conclusions. Reference was then made to the Dentists' Bill brought up in the House of Commons, which has the effect of the International Opium Convention signed at The Hague in 1912, and to the Treaty of Commerce. The Bill imposes restrictions on the import, manufacture and sale of opium, cocaine, etc. The Bill extends to medical men, whose prescriptions containing any such drug are regulated. The profession, said the President, which best knows the nature and the evil, will probably be the first to welcome the proposed measures for checking it. Continuing, he said: while the British Pharmacopœia, 1914, was being prepared the Pharmacopœia Committee empowered the Government with the suggestion that the National Institute should be established for the purpose of testing and fixing standards in the case of serums, vaccines, and other substances used in medicine and sold to the public, for which the ordinary methods of assay employed in the Pharmacopœia

were inapplicable. It was deemed at the time impracticable, without such official endorsement as a public Institute might provide, to lay down "biological" or "physiological" tests in the Pharmacopœia in addition to those which might be carried out by pharmacists and analysts under ordinary conditions. On inquiry in 1910 and 1911, it was ascertained that the Government departments concerned were not prepared to assume the financial and other responsibilities proposed. The Minister of Health has now, however, appointed a Committee, under the guidance of Sir Mackenzie D. Chalmers, K.C.B., as chairman, to advise on the measures to be taken for the effective official control of the therapeutic substances in question. Last week I was called, as Chairman of the Pharmacopœia Committee, to give evidence on the subject before this Committee. I explained the views held by us, and commended to the Government the provisions of the United States laws and regulations as a suitable model for this country in the matter. The U.S. Pharmacopœia, 1916, with whose compilers we were in constant correspondence during its preparation, had been enabled, by the establishment of institutes authorised by the Public Health Service, to include characters and tests for serums, vaccines, etc., which correspond to officially controlled standards."

MEDICAL AND DENTAL REGISTERS.

Referring to the Registers, the President said that the total number of new names on the Medical Register (1,322) is higher than in any year since 1915. "The proportion of women practitioners increases, and is likely to increase rapidly during the next year or two. I learn, however, on good authority that their services are in less demand than during the war, and that newly-qualified women are finding difficulty in obtaining suitable opportunities for professional work. Supply and demand will no doubt adjust themselves in time; but, in view of the large entry of women students, it is proper to warn those concerned that, in the meantime, individual disappointments may be encountered. The women students who are now well advanced in their curriculum may not all at once find openings for practice after attaining to qualification. The profession of medicine is, in regard to women, affected, like other occupations, by the return to civil life of large numbers of ex-service men as students and practitioners. To these men the country owes special consideration, and they ought to receive it. But inevitably they tend to displace a proportion of the women who so capably carried on the work of the profession during their absence abroad." The Dentists Register is stationary, but the number of dental students entered has risen to 612, as compared with 294 in 1914.

The penal business amounts to very little, the cases having been already before the Central Criminal and the Divorce Courts, and though important educational and other matters will be brought up for consideration the whole sitting need not be a long one. Sir John Moore, in moving the usual vote of thanks to the President for his address and eulogising the work that he did for the Council, mentioned that Sir Donald had been made a Chevalier of the Order of the Crown of Italy.

PENAL CASES.

Most of the day on June 2 was occupied by consideration of the penal cases. Pandit Devi Dayal Sasun, L.R.C.P., of Bethnal Green, had been convicted last April at the Central Criminal Court for killing a woman and sentenced to ten years' penal servitude. The Council were not long in deciding that the sooner his name came off the Register the better. A Kirkcaldy doctor, Alexander John Wood, M.B., was found guilty by decree of the Divorce Court in 1918, made absolute six months later, of committing adultery with a married woman to whose family he was medical attendant. Mr. Wood did not appear, and treated the communications of the Council in a very offhand way. He had requested the Registrar to "erase my name, as I shall not be practising in this country." Mr. Wood's name will no longer appear on the Register.

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council, as newly constituted, was held at 16 Bloomsbury Square, London, W.C., on the evening of June 1. The proceedings were private. The following is the official report supplied to us:

ADDITIONAL EXAMINERS.

The following were appointed additional examiners in England and Wales for the ensuing year:

Corfield, Charles Edwin.	Jinks, John Clarence.
Gibson, R. J. Harvey.	Matthews, James Robert.
Greenish, Henry George.	Preston, Ernest.
Haas, Paul.	Salisbury, Edward James.
Hocking, Francis Almond.	

The following were appointed additional examiners in Scotland for the ensuing year:

Coull, George.	MacDougall, Robert Stewart.
Dobbin, Leonard.	Merson, George Fowlie.
Jack, James.	

At the adjourned meeting of the Council held on June 2 all the members were present with the exception of Messrs. White, Wolff, and Young, and the chair was occupied by the retiring President (Mr. W. L. Currie). Mr. Keith, one of the two new members, took the chair formerly occupied by Mr. Cuff, defeated in the recent election, while Mr. Lloyd took that vacated by Mr. Jenkin.

VALEDICTORY.

The retiring PRESIDENT, in opening the proceedings, said the first business of the adjourned meeting was to elect a President. "Now, I want to say here and now," he remarked, "that I am not standing as a candidate for this office. I have filled the position for two years, and I am therefore vacating the chair, so that I now ask you to vote for your choice."

THE NEW PRESIDENT.

Seventeen voting papers were then handed round the table, on which members were requested to write the name of the person he or she desired elected President. These were afterwards collected in the ballot-box. The result of the ballot was found to be that Mr. Neathercoat (a former Vice-President, who on the occasion of the election last year only had seven supporters for his re-election to that position) had fifteen votes; Mr. Parry, one; and that there was one blank paper.

The retiring PRESIDENT, in declaring that Mr. Neathercoat had been practically unanimously elected President of the Society, said that the unanimity of the vote clearly indicated the position which that gentleman occupied in the minds of the members of the Council. He felt quite sure that, from his record in the past and his prospects for the future, the new President would render a good account of himself in his new position. As one who had just vacated the chair, he need not tell Mr. Neathercoat, who from his past experience as Vice-President knew as well as he did, anything regarding the work which lay before him; but he was sure he would rise to the occasion with that eagerness which he had exhibited in the past, and discharge the duties of the office with credit not only to himself, but to the Council and to the Society. "Mr. Neathercoat," said Mr. Currie, "I have the greatest possible pleasure in vacating the chair in your honour, and in placing around your neck this insignia of office I have to wish you every success." (Applause.)

The PRESIDENT, who was received with applause, in acknowledging the honour conferred upon him, said it must always be a distinct honour to any pharmacist to be elected President of such a Society as theirs. While fully appreciating the compliment paid him, he desired to express the sincere hope that he also understood something of the responsibilities of the office to which he had been elected. In any case, he could assure them that no effort would be wanting on his part to maintain the dignity

of the office. He had had fairly intimate association with the Society's recent history, and although a fairly man as years went, yet he seemed to have led a long experience of the business of the Society. Approaching Standing in that place of honour, he could reflect that it was just about twenty years since he made his close connection with the Society's work. For twenty years this year since he came upon the Society's School to start his course of training. Minor examination, and from then up till now he had been in close touch with the Society's work. For years he had been a member of the Council, for five years he had sat in the Vice-President's chair; so that he could say that he did know something—he had had an intimate contact with the Society's work. He could claim a fairly good knowledge of public administration and a certain resource of energy and initiative. Certainly he had a distinct liking for public work, and these three attributes, such as they were, he had served placed at the disposal of the Council. He had devoted himself to the Society's interests. They had, he believed, been a very difficult course in front of pharmacy, at the time of the Council, during the next twelve months, would have many difficulties to meet, but he felt confident—now at any rate—that he could rely upon loyal co-operation and support of every member at that table, of all sections of opinions and needs. It was equally certain, indeed he was never in any doubt about it, that he should also receive the cordial support of the secretary and his staff. With that support he felt quite confident that he should be able to carry on in the best interests of the Society. Without it, it would be difficult, if not impossible, for any President to do his duty. (Hear, hear.) With one common aim and end, he had every assurance that they could look forward to the pharmaceutical future, and that they would be able to weather the storm. Concluding, the new President urged upon his colleagues the vital importance of a sense of corporate responsibility on the part of every member of the Council. If they secured that, they would be able to accomplish a great deal in connection with the future administration of the Society's business. It was the ship that mattered, and what appeared to be the skipper or the crew was of secondary importance. (Applause.)

VICE-PRESIDENT.

The ballot for the election of Vice-President was as follows:

Mr. F. P. Sargeant, 9 votes; Mr. P. I. Rose, 1 vote; Mr. A. S. Campkin, 1 vote; one blank paper.

The PRESIDENT expressed pleasure in Mr. Sargeant elected, and congratulated him upon the distinction conferred upon him. The Council could rely upon Mr. Sargeant devoting his whole-hearted attention to the best interests of the Society.

The VICE-PRESIDENT said he very highly appreciated the honour the Council had done him.

THE TREASURER RE-ELECTED.

The ballot for the election of treasurer resulted in Mr. Bilson being unanimously re-elected. One blank paper was returned.

The PRESIDENT, in declaring Mr. Bilson re-elected, marked that, personally, he was glad that during the coming year he should have associated with him a man as Mr. Bilson in charge of the Society's financial affairs.

The TREASURER thanked the Council for the honour they had done him, and added that they would be very careful as to the future financial position of the Society. When one had plenty of money in one's pocket, one was disposed to spend it freely, and he had to keep in mind that the present financial position of the Society was not likely to continue.

WELCOME TO NEW MEMBERS.

The PRESIDENT, in welcoming, in the name of the Council, Messrs. Keith and Lloyd, the new members, expressed the hope that these gentlemen would find a pleasurable term of office, and one that would be advantageous to the general interests of the Society.

Library, Museum, School, and House.—President, Vice-President, Miss Buchanan, and Messrs. Gifford, Hagon, Melhuish, Parry, Skinner, White, Young, Rowsell, Currie, and Keall.

Ministry of Health.—The President, Vice-President, Miss Buchanan, and Messrs. Keall, Melhuish, Rowsell, Currie, Parry, Skinner, and Gifford.

Special Committee in charge of Test Case.—President, Vice-President, and Messrs. Deakin, Currie, Melhuish, Rowsell, Skinner, White, and Wolff.

Parliamentary Fund.—President, Vice-President, Treasurer, Messrs. Rowsell, Parry, Deakin, and Young.

Local Associations Executive.—A formal resolution was passed that the members elected to the L.A.E. be elected the Local Associations Executive Committee of the Council.

The Standing Orders were adopted, with the exception of No. 1, relating to the time of meeting.

ELECTIONS AND RESTORATIONS.

Ten persons were elected members of the Society and eleven as student-associates, two persons were restored to the Register and eighty-nine restored to the Society. The Registrar reported that there had been eighty registrations of apprentices as students since last meeting.

COUNCIL PRIZES.

The following awards were made in connection with the Council prizes, for which there were eleven candidates: *Pereira Medal*, David Page; *Society's Silver Medal*, Allison Saunders; *Society's Bronze Medal*, Barra-dale A. W. Melhuish. The thanks of the Council were tendered to Messrs. Fritsch, Purvis, and Taylor, who conducted the examinations.

CORRESPONDENCE.

The Secretary read a letter from the secretary of the Wallsend Pharmaceutical Committee forwarding a resolution passed at a meeting of that body on May 10 disapproving of the scheme prepared by the Society for perpetuating the memory of members of and others connected with the Society who had sacrificed their lives in the service of their country during the war as unsatisfactory and impracticable. The President described the resolution as merely embodying an expression of opinion by the members of the body named. The Council had made its decision and intimated it to the whole country.

A letter was read from the Clerk to the Privy Council concerning an Order in Council approving the amendment of certain regulations relating to the Qualifying examinations in so far as to give the Council power to direct that candidates living in England and Wales may be examined in England and Wales if the Council found it necessary.

A letter was read from the Incorporated Association of Headmasters suggesting that the time had arrived when all English Universities and professional bodies should accept certain certificates in connection with certain public school examinations, recognised by the Board of Education, as qualifying and interchangeable for the purpose of preliminary qualification and matriculation. The secretary intimated that the School Committee had already been in communication with the Board of Education with reference to the matter, and were expecting a letter setting out how the Board proposed to deal with it in its relation to the preliminary examinations of the Society. The communication was referred to the School Committee.

A letter was read from the secretary of the Amalgamated Society of Pharmacists, Drug, and Chemical Workers forwarding a resolution passed at a meeting of its members on May 25 condemning the decision of the Council in having a test case in order to secure power to act as a trade union.

A letter was read from the Federation of Medical and Allied Societies stating that the Pharmaceutical Society is entitled to one representative for every three thousand of its members. The secretary explained that the Society contributes ten guineas per annum to the organisation named, and is entitled to three representatives additional to Mr. Rowsell, who had hitherto represented the Council

at the various conferences held in connection with the President and Messrs. Melhuish and Keall appointed additional representatives.

A letter was read from the National Council for Combating Venereal Disease inviting members of the Council to attend the fifth annual meeting of that body to be held on June 7. The secretary intimated that they were enclosed for such members of the Council as desired them.

FINANCE COMMITTEE.

The financial statement is summarised as follows:

Receipts since the last meeting, including a balance of 2,156*l.* 13*s.* 5*d.*, amounted to 7,466*l.* 8*s.* 1*d.*, made up as follows: Sale of Registers to H.M. Stationery Co. 150*l.* 19*s.* 1*d.*; rent, 40*l.* 5*s.*; penalties and costs, "Journal" and publications, 99*l.* 6*s.* 8*d.*; registrations, 191*l.* 2*s.*; subscriptions, 519*l.* 4*s.* 6*d.*; examinations, 241*l.* 10*s.*; restoration-fee, 1*l.* 1*s.*; deposit at bank, 4*l.*; fees for micro-biology course, 6*l.* 6*s.* After deducting payments amounting to 3,110*l.* 7*s.* 10*d.* authorised at the last meeting and 4,000*l.* invested in Treasury Bonds, there was a balance of 556*l.* 0*s.* 3*d.* The other balances were: Benevolent Fund (current account), 391*l.* 5*s.* 3*d.*; Benevolent Fund (donation account), 378*l.* 4*s.* 3*d.*; War Auxiliary Benevolent Fund, 801*l.* 6*s.*; Orphan Fund, 256*l.* 15*s.* 11*d.* The final statement of the Local Associations Executive Committee for the period April 20 to May 20 showed an income of 624*l.* 0*s.* 6*d.*, and expenditure 445*l.* 2*s.* 8*d.*

The report of the Finance Committee recommended the payment of accounts amounting to 2,856*l.* 13*s.* 1*d.* that the action of the secretary in making payments of 685*l.* 3*s.* 5*d.* be approved. In connection with the L.A.E., it was recommended that the secretary be authorised to pay accounts amounting to 445*l.* 2*s.* 8*d.* It was also recommended that the whole of the Society's premises be insured against fire to the full amount suggested by the Society's surveyors, and that 3*l.* 1*s.* 6*d.* the amount received as subscriptions for life membership during the years 1914 to 1919 inclusive, be paid to the credit of the Life Members' Fund.

The TREASURER, in moving that the report be received, stated that the Society's surveyors estimated that the present value of the Society's premises in Bloomsbury Square was 74,000*l.* At the present time they were insured against fire for only 21,000*l.*, and it would require 74,000*l.* to rebuild them. The Committee recommended that the Society should insure the buildings for the larger sum.

Mr. ROWSELL described the position referred to by the treasurer as a very serious one. He was surprised to hear that the Society's premises were insured for such a low figure in view of the risks.

In reply to Miss Buchanan, the secretary stated that if the recommendation of the Finance Committee were adopted the total amount standing to the credit of the Life Members' Fund would be 4,760*l.*

The report was adopted.

LOCAL ASSOCIATIONS EXECUTIVE COMMITTEE.

The report of this Committee stated that the situation in reference to National Health Insurance had been considered. The resolution passed at the last conference recommended pharmacists, in view of the assurance given by the Minister of Health that the terms he was offering were not submitted as necessarily final, to accept the offer, on the understanding that they be at liberty to reopen the case for the renewal of the terms in June 1920. In reply to that resolution, the following statement was made by the Minister: "The Department must not be regarded as being in any way a party to an understanding that such an offer of revision of the terms should be undertaken." The L.A.E. decided that the matter ought to be proceeded with, and it was agreed to recommend "That notice be given to the Ministry of Health that a case is being prepared for increased remuneration, and that a chairman be sent to the Local Associations, informing them that the matter is in hand, and asking for information to enable the Committee to develop the case." The committee reported that the York Pharmaceutical Committee had sent a letter intimating their willingness

support the Central Checking Bureau Scheme. The Committee considered the following letter, dated May 13, received from Mr. Herbert Skinner, President of the Amalgamated Society of Pharmacists, Drug and Chemical Workers:

"The request of numerous retail branches throughout the nation of pharmacy my Executive Council has authorised me to approach you with the object of asking you to set up a sub-committee to meet Union representatives, say five on each side, to see if it is possible to stabilise the situation on a living basis for the various parties in England and Wales. They feel that an official agreement would serve as an admirable guide in the present chaotic state. Our Association has now amalgamated with the National Association of Chemists' Assistants, and they feel that they could also have a representative from the pharmacists' unit of the retail workers if your Executive accept the proposal."

After considerable discussion it was decided to recommend

that Messrs. Davis, French, Hardy, Joseph, Matthews, Nidd, and A. E. Young should be appointed as a sub-committee to meet the Union representatives and to report back to the Local Associations Executive Committee.

The first portion of the report, relating to National Insurance terms, was discussed by the Council in detail.

Mr. SKINNER, referring to the proposed conference with representatives of the L.A.E. and of the organisations mentioned, asked if a meeting could be fixed by arrangement between the respective parties.

Mr. DEAKIN replied that the meeting would be so arranged as to suit the convenience of the persons affected. The report was then adopted.

BENEVOLENT FUND.

The report of this Committee recommended that grants be made in the case of seven applications for assistance, amounts ranging from 15*l.* to 26*l.*

Mr. PARRY, in moving the adoption of the report, introduced receipt of contributions, the most important of which was 20*l.* from the Manchester Pharmaceutical Committee and 101*l.* 9*s.* 2*d.* from the Liverpool Pharmaceutical Committee, in each instance the amount being the proceeds of a smoking concert held under the auspices of the respective organisations. He added that as that was in all probability, be the last occasion on which the committee would submit the report of the Committee, he would seize the opportunity of saying that, as far as he could, the Committee could not do justice to the annuitants and applicants for grants unless the pharmacists of the country realised that a much larger sum of money would have to be contributed to the Fund. Hitherto it had been a pride and boast of the Council that their annuitants would always be free from any danger of want; in pre-war days, 50*l.* per annum was regarded as a handsome sum on which some poor old lady or gentleman could absolutely rely for maintenance. But now that was even with the additional bonus of 10*l.* granted at the end of last year in each case, and which each annuitant received as an unexpected gift, was totally inadequate for the purpose under existing conditions. (Hear, hear.) In the case of casual grants, the maximum recommended by the Committee had in each instance been 26*l.*, but it was now found that this also was inadequate. In view of the low purchasing value of money, it must be obvious to the pharmacists of the country that contributions to the Fund must be considerably increased if they were to do justice to the very numerous cases among pharmacists, cases which were very near their hearts, not only of the Council, but the leaders of the craft throughout the country. (Hear, hear.) The report was adopted.

WAR AUXILIARY BENEVOLENT FUND.

The Committee recommended various grants. With reference to billets for candidates coming to London from the provinces (ex-Service men), the report stated, the Committee discussed the arrangements made by the War Museum, School and House Committee, and

their request that any expense or loss incurred in the arrangements should be met by the Fund. The Committee therefore recommended—

"That any expense or loss incurred in the arrangements for billeting ex-Service candidates at the July examination be borne by the War Auxiliary Benevolent Fund."

Mr. LLOYD said that as one representing an organisation that had contributed 800*l.* to the fund he was only expressing the opinion of many outsiders when he said that there were times when they felt that the Committee were not so generous as they might be in dealing with applications from ex-soldiers. It was possible, however, that as he became better acquainted with the work of the Committee he would see difficulties in the way of increased generosity which were hidden from outsiders. He then gave an instance of a grant recommended by the Committee being, in his opinion, insufficient in view of the circumstances of the applicant.

Mr. PARRY, dealing with the case referred to by Mr. Lloyd, said that that gentleman had submitted facts which probably ought to have been in possession of the Committee, but had not been brought to their notice, and consequently he suggested that the case should be referred back. He had no hesitation in saying that whenever the Committee had any additional facts submitted to them respecting any case turned down they were always pleased to reconsider and deal with it in a generous spirit. With reference to the payment of railway fares to ex-Service students coming up to London for the July examinations, he had a suggestion to offer with a view to facilitating and expediting grants in necessitous cases. It was that the students at the various schools of pharmacy throughout the country should form committees of their own to undertake the selection of cases which, from intimate knowledge, they knew to be necessitous and submit them to the Committee. It might be a good thing, if this were agreed to, were the President of the local Chemists' Association to be asked to attend meetings of the local Students' Committee in order to guide and advise them.

Mr. DEAKIN thought the suggestion an admirable one, and added that as none of the ex-Service students should be allowed to suffer from inability to sit for the examinations in consequence of not having the means to cover their travelling expenses to London, every facility should be afforded them to make application for grants, considering that the examinations would be held very soon.

The Council discussed in private the means which should be adopted to give effect to Mr. Parry's suggestion. Subsequently Mr. Parry proposed a resolution to the effect that, with the consent of the Council, the question of railway fares paid by ex-Service students coming up for examination in July be met by the War Auxiliary Benevolent Fund, provided a committee is formed consisting of not less than six of the students attending each of the pharmacy schools, together with the Principal of the school and the President or a responsible officer of the local Chemists' Association, for the consideration of necessitous cases, and that each committee submit these to the Fund Committee, who will deal with them as they think best.

The report was then adopted, and it was agreed that a meeting of the Committee should be held at the end of the month for the consideration of cases submitted by the Students' committees.

DANGEROUS DRUGS BILL.

A supplementary report of the Law Committee on the Dangerous Drugs Bill was read by the secretary in the following terms:

In accordance with the request of the Council the Committee considered the provisions of this Bill, and after a prolonged discussion decided to recommend that the Home Office be asked to agree to amendments which will provide:

(1) That the restrictions imposed by this Act, or any Regulations made under it, shall be in addition to, and not in substitution for, the provisions of the Pharmacy Acts and Poisons and Pharmacy Act.

(2) The right of a pharmacist or corporate body legally entitled to keep open for the sale of poisons to be authorised to dispense and retail the substances under the Act, and that the power to remove the authorisation of a

pharmacist for any breach of the Regulation should be subject to the right of appeal to the Courts.

(3) That the Pharmaceutical Council shall be consulted before any Regulations are made under the Act.

Arising out of the discussion on the Dangerous Drugs Bill, the Committee considered the question as to whether it is desirable to make alterations in the schedule in respect of cocaine, morphine, and heroin, so as to bring these poisons into line with the Regulations in Article 14 of the International Opium Convention. This might involve the inclusion in Part I. of the Schedule of all preparations containing not less than 0.2 per cent. of morphine and of all preparations containing not less than 0.1 per cent. of cocaine, ecgonine, or diamorphine. The further consideration of this matter was adjourned until the next meeting in order that the Council may in the meantime express an opinion on the policy involved.

Mr. CURRIE, in moving the adoption of the report, stated that the Law Committee dealt very fully with the Dangerous Drugs Bill at the meeting held the previous evening. The various proposals which that measure contained called for the earnest and careful attention of all pharmacists. As a matter of fact, if the Bill went through in its present form it would be entirely subversive to the Pharmacy Act of 1868, and would involve results which they never anticipated. The three recommendations embodied in the report of the Committee he regarded as very necessary, and as a Council they ought at once to communicate their decision regarding them to the Home Office, in order that their views should be brought to the notice of that Department. There was no doubt the Home Office was going to make the attempt to carry the Bill through Parliament, and if the dangers which threatened pharmacy were to be avoided they must negotiate quickly with the Department. The proposals relative to the alterations of the Poisons Schedule required serious consideration. He moved the adoption of the first two recommendations.

Mr. DEAKIN, in seconding, endorsed Mr. Currie's observations regarding the seriousness of the situation, and said they were faced with the gravest possible perils to pharmacy if the Bill were to be allowed to go through without amendment. It required dealing with in the most diplomatic and statesmanlike way. He thought that at the moment the Government were under certain obligations owing to the terms arrived at by the International Convention on the opium trade and dangerous drugs, but it was just as well that they should look all round the question and ascertain the various ways in which the fulfilment of these obligations would affect pharmacy. They should fortify the secretary by empowering him to take immediate action where it was called for.

Mr. ROWSELL urged that it was absolutely essential that the Council should take most strenuous and immediate action with regard to the Bill. The interests of pharmacists under the Pharmacy Acts must be protected, and the duty was imposed upon them of not permitting any intervention to come between them and the conduct of their business in accordance with these Acts.

Mr. HINES remarked that there were two points on which he desired enlightenment—as to how far the granting of licences by the Home Office in accordance with the provisions of the Bill would affect pharmacy, and as to inspection of their poison-book by any passing constable. He regarded the powers concerning the latter point provided by the measure as far too wide and too general, and he hoped that in any recommendation which might be made regarding these, sight would not be lost of interests which ought to be strictly guarded.

Mr. SKINNER said that he could not quite gather what the recommendations of the Committee really were with regard to the Bill. They appeared to him rather vague. What he wanted to urge was that the Bill having been read a first time, and being likely to be submitted for the second reading on an early date, it was very necessary that the Council should get into immediate touch with the Home Office. In order that they might be enabled to do so, it was imperative that they should have a sub-committee to deal promptly with that Department. In view of their experience and knowledge of how the Home Office had muddled other matters by not understanding the relative facts, action ought promptly to be

taken to make them understand the position of pharmacy and how it would be affected by the Bill.

Mr. ROWSELL was understood to say that such an attempt as that of Mr. Skinner should not be made at present juncture.

Mr. SKINNER replied that personally he had science in regard to public departments. A sub-committee should at once get in touch with the Home Office. He thought the whole burden of the negotiation should not be thrown on one individual. The Bill as it was something which the Government had to find in general terms. According to the Peace Treaty, had to carry out certain obligations in general terms, they regarded it as their bounden duty to do so. He quite recognised all this, he thought the Government could be induced to make some such modification of measure as would make it inclusive of these obligations and at the same time adaptable to the existing conditions of the country. Even the Peace Treaty did not compromise the subversion of the laws of Great Britain. Treating under the circumstances, the Home Office ought to be made to understand what the existing law is as regards pharmacy, and it was their duty to make that department understand. The Home Office would become an authority, and the Privy Council would become an authority in connection with the scheduling of poisons, there would, under the Bill, be a duplication of the machinery.

Mr. HAGON said that the point which he pressed home in the course of the discussion the previous day was that the position of the qualified chemist would be quite different to that outlined in the Bill, and he should not require a licence under it. It was his duty to him that they ought to maintain their rights, qualified men to keep open shop for the sale of drugs, that they ought not to be obliged to obtain a licence for the purpose, or be placed under the surveillance of a passing "noble policeman," as the Bill suggested.

Mr. CAMPKIN urged that the attitude of the Council towards the Bill ought to be backed up by the man whom they happened to have returned to Parliament. They had been talking a long time, had about having their interests represented in the House of Commons. Now that they were so represented, thought action should be taken to have their views pressed by their representative.

The Council then sat in Committee for some time. Ultimately the first two recommendations in the report were adopted.

The secretary explained that the position in regard to the alteration of the schedule was that the Law Committee felt that it involved matters of the greatest importance, and they were not in a position to make recommendations at that meeting, and what he wanted was that in the interval before the next meeting, members should consider the various points at issue. And now that the report of the Law Committee was published, document the Council would be able to hear what proposals members of the Society were able to make.

The report was then adopted.

This was all the public business.

VAPOR PICIS!—While walking along a street in a Midlands city lately, a correspondent saw a woman holding a baby so that it might get a good dose of the fumes arising from a cauldron of boiling tar used in road paving. Years ago, it was seriously recommended that children with respiratory troubles should reside near a gasworks, and, before gasworks arose, "the breath of the cows" was the correct thing to inhale in such cases.

HOW TO GET SAMPLES.—Letters from native in the British Colonies asking for samples are of frequent occurrence in the mail-bags of manufacturing chemists and the flattery with which they are loaded is often quite ingenious. An effusion of this kind sent us by Arthur H. C. & Co., Ltd., Brighton, concludes as follows: "I end re with my best regards Self and Company. I beg to rein you Everlasting Truly." Who could resist that?

Birth.

IN.—At 63 London Road, Brighton, on May 28, the son of A. W. Hockin, Ph.C., 5 Lewes Road, of a family.

Deaths.

—On May 15, Mr. Percy William Smith Allen, chemist and druggist (Allen's Drug Stores, Ltd., 155 Praed Street, London, W. 2), aged thirty-seven.

ER.—At Birkenhead, recently, Mr. Robert Barker, chemist and druggist, aged eighty. Mr. Barker carried on business at Mold until 1903, and subsequently at Cheshire) and at Lane End, Buckley. He is survived by a family which includes Mr. Robert Barker, chemist and druggist, Buckley.

RT.—On May 31, Mr. John Hubert Drust, Ph.C., author of Road, Middlesbrough, aged forty-three. Drust had been in business in Middlesbrough for many years past.

—At Boksburg, Transvaal, on May 27, Mr. Benjamin Owen Jones, F.C.S., chemist and druggist, managing director of B. Owen Jones, Ltd., chemists, Boksburg. Mr. Jones, who was a native of Llanidloes, Montgomeryshire, served his apprenticeship to Mr. Edward Owen, Newtown, North Wales. After further experience at Brecon, and a course of study at the Westminster College of Pharmacy, he qualified in 1885. He was for a time with Henry Lamp-lough, Ltd., London, E.C., and then went to South Africa, in 1888, as assistant to D. R. Crow & Co., Pretoria. He remained there a year, and was transferred to Boksburg as branch manager. Shortly after, Mr. Jones established himself in business at Boksburg and prior to the Anglo-Boer war converted the business into a limited liability company, which now consists of shops (in Johannesburg and elsewhere) besides the established establishment. He was President of the Boksburg Chamber of Commerce for eight years, and was the first Mayor of the town, an office which he held on three occasions. He represented Boksburg West in the Transvaal Parliament, and later was a member of the Provincial Council. Mr. Jones was the Government nominee to the Transvaal Pharmacy Board on its first three consecutive terms of three years each, as well as a lecturer in pharmacy and material medica. For ten years he was chairman of the Boksburg Hospital Board. He was elected a Fellow of the Chemical Society in 1907, and President of the Pharmaceutical Society of the Transvaal in 1915. He had been in indifferent health for some time. Mr. Jones was well known in home circles by reason of his frequent visits to this country, and was at all times a welcome visitor to the annual dinners of the Pharmaceutical Society of Great Britain. He leaves a wife, three sons, and a daughter.

RE.—At Vaucluse Bay, Sydney, Australia, on May 16, Maxwell, only son of Mr. Thomas H. Moore, Ph.C., aged ten.

ST.—The death is announced, after a short illness, of Colonel Alphonse Simonius, chairman of the board of directors of the Clayton Aniline Co., Ltd., and chairman of the Swiss Bank Corporation.

Personalities.

SIR WILLIAM J. POPE, past President of the Chemical Society, has been nominated as President of the Society of Chemical Industry for the year 1920-1921.

SIR JESSE BOOT, BART., was on June 2 presented, on behalf of 14,500 employees of his company, with an oil painting of Westminster Bridge and illuminated volumes containing the names of many of the staff.

MR. GLENCROSS SWIFT, governing director of Swift & Co., Ltd., Sydney, N.S.W., is arriving in England early this month on a business trip. His address will be c/o The Bank of New South Wales, 29 Threadneedle Street, London, E.C.

MR. FRANCIS H. CARR, F.I.C., director of The British Drug Houses, Ltd., contributes an article on "Medical Progress and New Drugs" to "The Times Trade Supplement." It is a plea for the development of the organic chemical industry as a national asset.

THE betrothal is announced of Mr. John Elwell, of Harlow Common, Harlow, son of the late Rev. Henry Elwell, M.A., of St. Mary Magdalene, Harlow Common, and Leisa Theodora Maud Parry, elder daughter of Mr. Ernest J. Parry, B.Sc., F.I.C., Kingston Hall, Harlow, and 56a Great Dover Street, London, S.E.

MR. LEON COOPER, President of Cooper & Cooper Inc., New York, importers and exporters of chemicals, dyes, etc., has arrived in London in order to extend the business of his firm. Mr. Cooper has in contemplation the opening of a branch office in London. His address for about six weeks is the Hotel Rubens, Buckingham Palace Road, S.W.

MR. HERBERT GILLEGHAN, chemist and druggist, the new President of the Leeds Chemists' Association, is the proprietor of a successful business at 128 Roundhay Road. Mr. Gillegghan is one of the young men of the craft, but his progress has been remarkable. He was apprenticed to Mr. H. B. Billington, Barnsley, and then went to London for further experience. After qualifying in 1901 he joined the staff of Taylors' Drug Co., Ltd., and was a branch manager at Hull, Leeds, and Darlington, subsequently becoming one of their district managers. Ten years ago he bought the business in Roundhay Road, and a year later joined the Leeds Chemists' Association. He quickly showed his ability as an organiser. He has been secretary of the Association for five years and Vice-President for the past two years; he has also held office as secretary of the Leeds Pharmaceutical Committee since its inception, and as President of the Leeds branch of the Ucal Federation.

MR. E. T. NEATHERCOAT, Ph.C., who succeeds Mr. W. L. Currie as President of the Pharmaceutical Society of Great Britain, is the proprietor of businesses at Weybridge and Otlands Park. Mr. Neathercoat was educated at Soham Grammar School, and was apprenticed in the same town to Mr. W. Lincoln. After a course of study at the Bloomsbury Square School of Pharmacy, where he won several medals and certificates, he passed the Minor examination in 1901, and the Major in the following year. He then purchased a business at Weybridge, and developed it very successfully. Mr. Neathercoat was President of the Thames Valley Pharmacists' Association in 1909, and in the same year obtained a seat on the Council of the Pharmaceutical Society. He was Vice-President of the Society from 1914 to 1919, and was followed in that office by Mr. P. F. Rowsell.



MR. E. T. NEATHERCOAT, PH.C.

Trade Notes.

BLENOSAN CAPSULES.—The retail price has been increased to 4s. 6d. per tin.

PEARS' VIOLET POWDER.—The protected retail prices of Pears' violet powder are now 6d. (¼-lb. packet) and 1s. 9d. (1-lb. tin).

RODINE RAT REMOVER.—A remarkable testimonial to the value of Rodine Rat Remover is given in the advertisement of Mr. Thomas Harley, Perth.

TELEPHONE CHANGE.—The Caravel Co., 110 Cannon Street, London, E.C. 3, announce that their telephone numbers have been altered to City 7058 and 7059. [Corrected notice.]

PHOSFERINE.—The present wholesale and retail prices of Phosferine are given in the advertisement in this issue of Ashton & Parsons, Ltd., La Belle Sauvage, Ludgate Hill, London, E.C. 4.

SQUIRE'S PREPARATIONS.—The new prices for Feroal and other specialities of Squire & Sons, Ltd., are given in the company's advertisement in this issue. The new retail prices of Feroal are 2s. 6d., 4s., and 6s. 6d.

FORT-REVIVER.—The retail price of half-bottles of Fort-Reviver has been reduced to 3s. from June 1. Chemists holding stock of this size should communicate with H. & C. Newman, 41-42 Upper Rathbone Place, London, W. 1.

CLARKE'S BLOOD MIXTURE.—The Lincoln and Midland Counties Drug Co., Ltd., Park Street, Lincoln, state that the prices of Clarke's Blood Mixture and the other specialities of the company have been advanced to face value. Full details are given in an advertisement in this number.

PERMANOL HAIR COLOURING.—Permanol, Ltd., 10 Gee's Court, Oxford Street, London, W. 1, have sent for our inspection a sample of Permanol hair colouring. The preparation consists of two solutions, which are mixed just before use, and a brush for applying the liquid. The hair is not required to be washed before using the colouring as is the case with most other preparations of the same character. A guarantee of harmlessness is given with Permanol, providing the skin is in a normal or healthy condition. There are thirty-six varieties of Permanol. The company offer to send full particulars to chemists.

"EVANS' ANALYTICAL NOTES."—The issue of this periodical was suspended before the outbreak of the war, but it has been decided to continue the series. No. 9, issued this week, contains 128 pages and summarises the laboratory records from 1914 to 1919. These are arranged in alphabetical order, and the monographs are followed by a series of laboratory notes and tables dealing with such subjects as the determination of the ash of drugs, of mercury and of nitrogen, opium assay, the titration of alkaloids, and the conversion tables. Much useful matter is contained in the analytical reports, the following being examples: The melting-point of diacetyl tannin has been investigated, 160° being that of a genuine sample; formaldehyde has been found in samples of acetic acid; a sample of absolute alcohol contained a wax-like body; a sample of powdered alkanet-root was found to be red sanders wood; a sample of hydrated aluminium oxide was found to be anhydrous Al_2O_3 ; an assay process is given for ammoniated tincture of quinine; a criticism of the method of testing balsam of tolu; a standard of alkaloid is suggested for ext. bellad. vir.; the best sample of bismuth tri-brom-phenol (xeroform) gave 64.6 per cent. of Bi_2O_3 ; the necessity for care in the sale of borax; the moisture content of bryonia-root varies from 62 to 70 per cent.; two forms (dry and pasty) of calcium acid phosphate exist in trade; a sample of camphor monobromide contained 45 per cent. of boric acid; cedrat oil (ol. cedri) is sometimes confused with cedar-wood oil; chlorophyll was found to contain a dye and 25 per cent. of pectinous matter; a review of 263 samples of copaiba is given; cream of tartar has given much trouble regarding lead and arsenic content; cream of tartar substitutes

are usually calcium acid phosphates, but others found to be mixtures of cream of tartar with sodium sulphate, tartaric acid with farina, and calcium phosphate with sodium chloride; criticism of fennel oil; physical tests for 150 samples of essential oil; fennel oils free of anethol; glycerin substitut of carbohydrate type; examination of halogen salts of B.P.; heliotropin containing sodium sulphate; henna ranges from 7.25 to 14.4 per cent., one sample of powder was from exhausted leaves; 0.07 to 0.15 of alkaloid suggested as limits for ext. hyoscyami; method of testing iron cacodylate; liquid paraffin suggested 120° to 180° Redwood; sample of material containing 75 per cent. of clay; pure metol (*p*-methoxyhydroxy-benzene sulphate) is now obtainable; modification of Bellier's test for arachis in olive oil; ferred; scheme for calculating morphine in opium analysis; classification of results from analysis of samples of peppermint; potassium iodide found in certain transparent crystals of potassium chloride; pain containing antipyrin; assay of saccharin; analysis types of saline; medicinal scarlet red should be azotoluene-azobetanaphthol; organic silver salts satisfactory; assay method for sodium bicarbonate "Spanish stramonium leaves" found to be *Macrocarpum*; quality of commercial tablets watching; method of assaying theobromine and salicylate; water softener consisting of calcium hydroxide (80 per cent.) and dried sodium carbonate (20 per cent.). Chemists are invited to send to Evans Sons Limited, Webb, Ltd., Liverpool, for copies of the "Analytical Notes."

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers and hand suppliers of the undermentioned articles will be appreciated.

H/315. Second quality bromide and gaslight post cards; manufacturers	M/315. "Wingate" tobacco
B/315. "Phoenix" hair dye (the Phoenix Toilet and Perfumery Co., London)	M/315. Dr. Warner's support
P/16. Ground, dried acid sulphate of soda	A/315. "Nawrus" or "Corella" or "Nimrod" ribbon
	SC/36. "Albert" eraser
	B/36. Antineuraloids

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been forwarded. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

Alcock plasters, B/172	Lectogen, A/294
Aluminoferrie, L/175	"La Reine Creme," 1/63
Amylene hydrate, S/45	Lozenge-making machine, K/264
Antifebrin, S/145	McKenzie's arsenical soap, K/103
Antimony, BP/145	McKenzie's liver pill, S/234
Beeswax, N/125	Malto pepsyn, L/223
Caseln, L/135	"Marmola," S/75
Chamberlain's ointment, W/124	"Maypole" soap, R/1
Charcoal, AC/175	NAD Co. dyes, E/23
Charcoal preparation (French), L/175	Nail-polishing pads, D/1
China clay, C/175	Naldire's dog soap, a variety of powders, H/35
Davis' pain-killer, M/234	"O.S." tooth-blocks, 83
De Witt's pills, K/194	Odorono, L/164
Dhume perfumes, H/55	Olive-oil (Spanish), C/3
Dr. Fournier's hygienic mixture, H/35	Omega oil, D/94
Dutch drops, S/274	"Uako," S/224
Emery boards, W/174	Vernicelli, H/273
Epsom salts, W/14	Vilnacabras, BB/83
Ethylene, P/274	Vioform, W/64
"Eversharp" pencils, A/115	Viola, S/155
Guyot's tar solution, S/203	"Vitaminc," E/55
Gymnasium pulleys, R/284	Vogeler's curative compound, L/273
Haines' golden specific, D/124	Walker's disinfectant, D/84
Hair astringents, S/85	Washing squares, T/1
"Halex" specialties, M/53	Waterbury cod-liver oil, H/164
Hall's wine, H/204	Waterclass, B/233
Harrison's pomade, BL/35	Wavacril, S/45
Hastings' vulcanite truss, D/14	Weighing machines, 154 and B/313
Johnson's adhesive plasters, W/234	Westrumite, B/263
Kalypsol, MB/145	Wool wool wadding, 15
Kamala, MB/145	
Labelling machines, R/113	
Labels (perfumery), L/173	

Observations and Reflections.

By Xrayser II.

Analysis of the Voting

in the recent election disposes of the assertion that the action of the Council in respect to the by-law was not "a crucial issue." In effect, with a large majority of voters, the result is as I have not so much as heard a single chemist dissent from any other. It does not follow that some who voted it were not swayed by personal considerations; we rarely act entirely from a single motive, and our lively resentment gives way at times at the call of friendship or the remembrance of past services; never before in our history has opposition to a policy played so large a part in an election. That the result was not decisive was due not to want of feeling, but to the lack of organisation. We were a crowd rather than an army, and our opponents were a serried phalanx.

Lesson of the Election

is well brought home to us by Mr. Ridyard in his letter of last week. Though Mr. Ridyard has any feeling of bitterness he is evidently a little disappointed; it must be confessed that if past services counted for anything on the electorate, he has as well deserved a seat on the Council as most of those who were not elected, and there is a good deal of point in his contention that his services have missed their reward because they were largely local and such as appeal only to certain sections. The inference he draws is incontestable: we have territorial representation, until every sort of person has a voice of its own in the choice of our councillors; our government is not, properly speaking, representative. It represents only certain dominant classes in the community. In our craft many important interests are local, and these can only find voice in a local representative. How difficult, one might say how impossible, is it for such to be returned under our present system. The case of Mr. Ridyard shows. The very strength of his claim on local support makes against him in appeal to the whole electorate, though the cause he advocates is really of general importance.

Letter of Mr. J. W. Roberts

on the rights of dental practitioners is as reasonable and illuminative as it is timely. I have heard chemists protest, on the ground of whose falsity the letter exposes, against the inconsequence of fighting at one and the same time this Bill and the claim of unqualified store proprietors to registration of pharmacists without examination. Mr. Roberts shows the injustice both of this attitude and of commonly separating dentistry from chemistry, which is the real point at issue. The latter injustice, at any rate, is obvious to all reasonable people, and it is difficult to find any motive for it but the one Mr. Roberts charges on its promoters.

Yorhs

are certainly somewhat of an anomaly in these parts. A recent letter has suggested a re-reading of Peachment's tract "The Worth of a Penny," published in 1641, and it is rather startling to find how the value of the penny has depreciated in value. Take a few items as an illustration: "At the Apothecaries you may buy a pennyworth of any of these things following, viz., Lozenges of Gold or Cough; Juice of Liquorish, or Liquorish; a Lin Plaster for an issue; Paracelsus, Oil of Roses. St. John's Wort, a pennyworth of each is good for a Rain; Syrup-lettuce to make one sleep; Jallop, to purge; Mithridate, to make you sweat if you have a cold or good to expel and prevent infection; Diacodium, if you cannot sleep." But in Cheapness you may have your penny tripled," as it will there be Penny Grass, Penny Wort, Penny Royal," all for a penny. Or by a still happier stroke you may for a penny have a halter that will save you the expense of both

doctor and apothecary. Happy day! a penny was then worth four or five times as much as now, yet it is still expected to go as far in the chemist's shop.

The Twopenny Post

is revived this month, with a difference. The twopenny post specifically so called was a London post, not a general one. There had been a twopenny post before, in Stuart times, carrying letters a distance of eighty miles, with a double charge on the next eighty, *ad infinitum*, as well as local penny posts in London and Edinburgh, but a general twopenny service is a new thing. It is eighty years since Sir Rowland Hill's scheme of a uniform penny post for the whole kingdom was established. For some years it was carried on at a loss, but the enormous increase in correspondence which it brought about soon turned the scale, and the Post Office became an important source of revenue to the Government. Although it has now ceased to be so, the policy of increasing the postal rates to such an extent is doubtful. It will be a serious burden on business, and a still more serious hindrance to social intercourse by letter, and in both respects, whether necessary or not, it is a retrograde course.

Otto of Roses

(on which you had an article recently) was apparently not known in this country until about the beginning of the seventeenth century. It then came from Persia, and perhaps India. Kaempfer (quoted in *Pharmacographia*) speaks of the roses he saw in Shiraz in 1685, and of the water distilled from them, adding as a singular fact that a fat resembling butter, called *Attar*, was separated from it. Otto, however, was in use here as a perfume at least fifty years before that, and is referred to by an Elizabethan dramatist, though the "oil of roses" then used in pharmacy was obtained by macerating roses in olive oil. In Italy (supposed to be the first European country into which *Rosa Damascena* was introduced) it was known in 1784, and seven years later (Giovanni Battista Porta referred to its distillation. It was quoted in a German drug tariff in 1614, and had a limited sale in Paris when Kaempfer wrote; in England, says Hanbury, it was scarcely known as an article of commerce before the beginning of last century, when it was subject to a duty of 10s. per ounce. Rose-water has a much longer history. Wootton says it was first mentioned by Nicander (about 120 B.C.), who styles the apparatus by which it was obtained an *ambix*, a word the Arabs adopted, and adding the article *al* gave us our *alembic*. Elsewhere, however, Wootton attributes the distillation of otto to the Arabs, and Hanbury says it was unknown to the ancients. It is uncertain when Bulgaria entered the market as a producer of otto.

Slugs

are closely related to snails, and have probably a good deal of their nutritive property. Snails, if not slugs, are regarded as edible in many countries, though not in general use with us, and they were for a long time included in our *materia medica*. Absent from the first P.L., they were included in several of the later ones, and there were two or three official preparations into which they entered; two bore their name, the aqua limacum magistralis and the aqua limacum tenuis. Lemery treats of slugs and snails in the same article, and apparently regards them as of equal value. Both in France and with us snails were held of singular virtue in general weakness and consumptions, especially in children and persons of abnormal delicacy. They were used, too, for "inward bruises" on account of their "glutinative" quality. The favourite mode of administration was in milk, boiled. Mrs. Delany, wife of Swift's friend, writes in 1758: "Does Mary cough in the night? Two or three snails boiled in her barley-water, or tea-water, or whatever she drinks, might be of great service to her: taken in time they have done wonderful cures." There is an old Scottish story of two women who incurred a charge of witchcraft by continuing fat and fair during a long time of famine, until they were able to prove that their plump condition was due to a diet of snails.

"SANITAS" DISINFECTANTS

FLUIDS, POWDERS, SOAPS & FUMIGATORS

Should be stocked by all Chemists.

THE "SANITAS" CO., Ltd., Limehouse, LONDON, E. 14

For Quality in

Liquid Paraffin, P.B.

Petroleum Jellies, P.B.

White ^{AND} BRILLIANINE Oils.

write to

Sterns, 51 Royal London House,
Finsbury Sq., London, E.C. 2

MEDICINAL CAPSULES

TO THE TRADE ONLY.

ACTUAL MAKER " ESTABLISHED 25 YEARS.

Inquiries solicited.

D. W. BULL, 4 Churchill Road, HOMERTON, E. 9.

"Perborin" Brand

SODIUM PERBORATE

CREAM OF TARTAR
AND SUBSTITUTES

Heavy and Fine Chemicals. Colours.

PRESCOTT & CO.,
Hulme,

Rutland Mills,
Manchester.

ANNUAL SPECIAL ISSUE

of

"The Chemist & Druggist," June 26, 1920.

British made and British owned.

CARAMEL

(Sacch. Ust.)

Buy from the Actual Manufacturers,

Lichtenstein & Co., Ltd.

(L. M. Lambert, Managing Director.)

Established in London, 1880.

Colne Works, Uxbridge, Middx.

BRITISH ABSOLUTE ALCOHOL

Jas. Burrough Ltd. D.1 Cole Distillery, Hutton R.
LAMBETH, S.E. 11.

Editorial Articles.

Pharmacy and Public Health.

THE Ministry of Health has published this week its interim report of the Consultative Council on Medical Allied Services (Stationery Office, Cmd. 693, 1s.). The Consultative Council was appointed last October to consider the problem of forming a systematised service established on a local basis but applicable to the whole country. The report begins with a confession of the failure of the present organisation of medicine which is significant when the pretensions of the medical profession are considered. The establishment of health centres is advocated, with which would be associated a service of consultants and general practitioners where would be available the full resources of the diagnostic methods and treatment. The service of doctors are to be part-time as a rule, it being stated that a whole-time salaried service would not ensure the best endeavour. The report contains only scanty reference to pharmacy, but one of the paragraphs confirms the statement that it is intended to set up a Committee to deal with the qualification needed in the public service. The paragraphs dealing with pharmacy are as follows:

In the domiciliary service pharmacists would, as in the past, obtain medicines, appliances, and medical supplies as requisites from the pharmacists of their choice. The appointment of the pharmacist would be made direct by the patient or through some such arrangement as pertains to the scheme of these articles under the National Health Insurance scheme.

The provision of the necessary pharmaceutical services for those who would be treated in any of the institutions described in this scheme is a difficult matter and is requiring our careful attention. A Committee will be appointed to investigate and report upon the question of what should be the future functions of the pharmacist in relation to the services we are advising, and as the most appropriate training and the necessary qualification for those who are to perform these functions. We hope to deal with these matters in detail in a later report.

Pharmacy is represented on this Consultative Council by Sir William Glyn-Jones, secretary of the Pharmaceutical Society, whose pre-occupation with other duties has probably given him little time to devote to the work. This is unfortunate for pharmacy, as the other pharmacists on the Consultative Council, Mr. E. W. Morris, have been on account of his exceptional experience in the administrative work of the London Hospital. Sir William, who owed his first steps in his chemical career to the Pharmaceutical Society, is also a member of the Consultative Council, but after his derogatory reference to pharmacists in the introduction to his "Chemical Discovery and Invention in the Twentieth Century," he cannot be described as a pharmacists' advocate. Referring, again, to the report, it appears to have followed the lines of the experience gained in the Royal Army Medical Corps during the war. There it was seen that, in dealing with huge masses of men, all the knowledge and skill was not necessarily concentrated in the hands of those trained on purely medical and surgical lines. Incidentally, it was also seen and acknowledged, in spite

ports of the Pharmaceutical Council to the conduct of the pharmaceutical service, while it included did not necessarily exclude the dispensing service, recognised section apart from those registered under the Pharmacy Act 1868. Mr. Skinner recently drew the attention of the Pharmaceutical Council to the report of the R.A.M.C. dealing with the auxiliary medical and surgical treatment in the Army. "Pharmacists," "Dispensers," and continues the series in offering opportunities to recruits for these branches so as to equip them for their civil or Army service. The report of the Consultative Commission brings to an issue dispensing and pharmaceutical service which the report of the Pharmacy Commission can only ripen to a primary question of status—recognition of "Pharmacists" and "Dispensers"—necessarily synonymous. Already the Pharmaceutical Council has shown the way, and the lesson is not likely to be forgotten. The question of hospital administration has been raised in an urgent plea from Lord Knutsford, half of the London Hospital, to which he has devoted his life. This appeal crystallises for our largest institution a state of affairs which exists in all hospitals, and, we believe, in all large centres of medicine. Costs have increased so enormously owing to the change in money values, and also, as Mr. E. W. R. of the London Hospital points out, to the fact that hospital clinical work and treatment now involves expenditure because of the advance in medical science. The specialising needed has, in itself, doubled the staff as well as the expenditure. Moreover, the growth of Greater London has caused to spring up in the populous suburbs a variety of institutions which have been partially equipped in comparison with the central ones. Cottage hospitals relieve to a certain extent the larger hospitals of minor surgical cases, and are of great relief in medical cases. There is, however, no co-ordination between the various institutions, and the project of the Ministry of Health will be to co-ordinate these outlying institutions with the central hospital, combining the whole by a motor-ambulance service. The question of management when a Government department intervenes is one which has been vexing the public mind for some years; it now becomes for the matter of urgency. That such an arrangement for the public good is unquestionable. It is precisely at this point the matter becomes acutely interesting to pharmacists outside the public service. The "hospital dispensary," so to speak, would treat minor medical and surgical cases as well as convalescents not sufficiently fit for discharge. The dispensing service required in a hospital can only be small, and would not call for an expensive dispenser. At present it is sometimes got over by supplying certain stock lines from the central hospital, depending for urgent requirements on the local chemist. In others, by agreement with the local chemist allowing the dispensing to be under the supervision of the hospital matron. The interest of chemists in business where there are out-patient departments. Owing to the increased costs, many London hospitals are now charging a fee for every out-patient for maintenance, the amount calculated as a flat rate per week. A lady almoner told me those too poor to pay, such cases being treated out of the large number of those who come to the out-patient department are insured persons sent by their medical officer, and the State guarantee of free medicine to insured persons has become a charge of from sixpence to one shilling per week. It is quite clear that the Ministry

of Health cannot long regard this state of things with equanimity, and the pharmaceutical service will have to be remodelled on lines similar to those pertaining under the Pensions Minister. It will be seen that this report is one not only interesting for the pharmacist in the possible statutory recognition of the ancillary services of treatment of the sick apart from his qualification, but also in the network of centres provided to meet the congestion at our large institutions. National Health Insurance dispensing will need men with larger vision, men capable of taking their courage in both hands, facing the issue boldly, and able to defend our qualification from any further weakening. At the same time, if it is not too late, a more generous outlay in post-graduate training of pharmacists should be made so as to equip chemists in the smaller centres for a combination of the ancillary services within their capabilities. It should be pointed out that these same services will be practically new for both chemists and pharmaceutical chemists, and no differentiation ought to be admitted in the recognition of what either class has already attained.

The Indemnity Bill and Embargoes.

A WHITE PAPER (Cmd. 567) has been issued, giving the proposed amendments to the Indemnity Bill which is now being considered by a Select Committee of the House of Commons. It will be remembered that when this Bill was read a second time, on May 3, considerable objection was taken to Clause 4, which was as follows:

Any proclamation or Order in Council issued or purporting to be issued under section forty-three of the Customs Consolidation Act, 1876, during the war, prohibiting or restricting the importation of any goods into the United Kingdom, and any licence granted in pursuance of any such proclamation or order, shall be, and shall be deemed always to have been valid, but nothing in this section shall be construed as rendering valid the continuance in operation after the termination of the war of any such proclamation or Order in Council.

This clause, it was contended, was an attempt on the part of the Government lawyers to neutralise the famous Sankey judgment, which made embargoes illegal. Last year the Government failed to pass their Anti-Dumping Bill, and now it would appear as if the Board of Trade, in order to bolster up the Import Restrictions Department and maintain a lot of useless officials, are endeavouring by this clause in a Bill which has practically nothing to do with the subject to reimpose those very restrictions which Mr. Justice Sankey declared to be illegal and contrary to the laws of the country. This was pointed out in the debate on the second reading, and it was emphasised by Mr. Leslie Scott that under Clause 4 it might be possible to have a proclamation issued abolishing Free Trade, though he added that he could not believe this to be the Government's intention. Sir Gordon Hewart admitted, in reply, that the clause would have the effect of getting rid of the adverse effects of the Sankey judgment, and that that judgment is already the subject of appeal. He promised, however, to accept an amendment in Committee limiting the Bill to Orders and Proclamations made before it was introduced, and said he did not "think" there would be any revival of the powers by fresh Orders and Proclamations. In the White Paper now issued the Attorney-General has carried out this promise that the validation shall be limited to Proclamations and Orders issued prior to April 15, 1920, the date of the introduction of the Bill. Thus has a subtle move on the

part of Government officials been countered, but the whole business savours somewhat of sharp practice, and affords another proof of Whitehall bureaucratic methods, of which the business world is heartily sick.

The Sugar Supply.

THE price of sugar comes up for revision again shortly by the Royal Commission on Sugar Supply, when a further advance, possibly to 1s. 6d. per lb., is declared to be inevitable. Alarming statements in regard to the position continue to be made in the public Press, and even in trade quarters the outlook is regarded as extremely serious. Thus the "Grocer" says: "Prices have risen to a point unprecedented within recent years, and the price to the consumer must inevitably be higher in the near future." Everybody in the trade is familiar with the causes responsible for the advance, but the outstanding factor at the moment is greatly increased consumption in the United States, and the keen demand from that quarter has raised prices in all the sugar-producing countries of the world, quantity rather than price being the first consideration. The result is that the United States is not only getting the bulk of the Cuban supplies and partly holding them up, but she is buying large quantities from our Colonies and other parts of the world. This information is confirmed by Mr. Gilbert Fox, a member of the Royal Commission on Sugar, who has been purchasing sugar in the United States on behalf of the Commission. Mr. Fox intimates that, unless the American people consent to be rationed as we are in this country, the position will be very serious for the rest of the world. It is of interest to note that the price of ordinary domestic sugar in New York to-day is as much as 38c. per lb., and such is the outlook that the Agricultural Committee sitting at Washington have ordered a favourable report on the Bill prohibiting the export of sugar. Another factor is the reduced estimates of the Cuban production; originally these were between 4,000,000 tons and 4,300,000 tons, but they have been reduced by sugar statisticians to 3,650,000 tons. The Java crop for 1920-21 is estimated at 1,500,000 tons, the bulk of which will be available for export, and no doubt we shall get a fair proportion from this source. Every effort is being made to expand the European beetroot crops, but it is anticipated that ten years will probably elapse before the large beet districts laid waste by the war will return to their normal condition of cultivation. Prior to the war Russia, Poland, Hungary, and Germany had large estates devoted to beet, but most of them have been split up into small holdings whose holders no longer cultivate beet. The following table shows how vast has been the change in beet production during the past six years:

		1913-14 Tons	1918-19 Tons
Germany	...	2,720,000	1,411,900
France	...	805,000	110,000
Poland	...	1,687,800	760,000
Austria	...	1,703,000	(no figures)
Belgium	...	229,000	75,000

A writer in the "Morning Post" blames the Royal Sugar Commission for the high price of sugar in Britain to-day owing to its unfortunate knack of missing the market. It will be remembered that the Commission held off the Cuban market for some time, hoping to break the price; but the United States stepped in, and, instead of declining, the market advanced. The writer goes on to state that:

The subtle suggestion among those who try to excuse the position in which the Sugar Commission has landed us is that we must go back to Germany for our supplies, as we

did in pre-war times. That is, in effect, to resort to the very same false policy which has proved the mercy of the Cubans. It was exactly because depended upon Germany before the war that we are dependent upon Cuba now. By taking our sugar from Germany we were deliberately discouraging production with Empire, and the price we have paid for that false can now be estimated in millions. . . . For years be condemned to an extra price of 40% or 50% a ton.

The correspondent points out a way of escape, suggesting that the Government should give an undertaking to British Empire sugar planters guaranteeing to the whole of their output at an agreed price for a period of years—say, five. This would be a bold but difficult of realisation, as during the five-year there might be a decline in the world's price of sugar; we should then be subsidising Empire producers at the expense of taxpayers. The only way out of the difficulty is to cut down consumption rigorously for at least the next twelve months—the price will eventually come down.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students," The Chemist and Druggist, 42 Cannon Street, London, E.C.4.

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases common in the British Pharmacopoeia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture, sealed (accompanied by a stamped and addressed envelope marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, June 8, at which day the samples will be posted.

Students' reports will be received up to Saturday, June 19. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants to a chemist preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, who must be attested on their reports. Others may submit specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a Qualifying examination will be excluded in the latter list.

NEW URUGUAYAN TARIFF ON DRUGS, CHEMICAL ETC. The "Diario Oficial" (Montevideo) for April 6 contains the text of a Uruguayan law promulgated March 24, which revises the Customs tariff in so far as it affects chemical products, drugs, pharmaceutical specialties, and articles and sundries for chemists, laboratories, dentists, surgeons, and photographers. The schedule annexed to the new law gives the new tariff valuations of the articles covered, and the rate of duty leviable thereon. It consists of 1,244 items, subdivided as follows: Section I.—Drugs and chemical products (724 items); Section II.—Pharmaceutical specialties and sundries (271 items); Section III.—Articles and sundries for chemists, laboratories, surgeons, dentists, and photographers (249). The rates of duty quoted do not include the (*ad valorem*) "additional" duties levied for special purposes, on most imported articles.

Pharmaceutical Society of Ireland.

Special Council-meeting.

AN MEETING of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, on May 27, for the purpose of considering the business of the Society under the Government of Ireland Bill. Mr. J. E. Connor, J.P., President of the Society, occupied the chair. The following members of Council were present: Dr. A. J. Barnes (Vice-President), D. Beggs, J.P. (treasurer), Dr. J. A. Walsh, W. F. Wells, J. R. Middleton, J.P., William Blair, G. A. McLean Lee, James Tate, Charles Jones, A. Owen Wells, and Victor E. Hanna; Mr. Ashshire, J.P., apologising for absence.

GOVERNMENT OF IRELAND BILL.

DR. A. J. BARNES (Vice-President) said the genesis of that Bill lay in a special meeting of the Council, which was held on May 21, for the purpose of considering the Society's future as affected by the Government of Ireland Bill now before Parliament. Their law adviser, who was present at the meeting of the Law Committee, gave a very lucid explanation of the position, or rather want of position, of the Society in the measure to which he had referred. The matter was discussed, as far as possible at that stage, and it was decided then to refer it to the next meeting of the Council. In the meantime Mr. Connor (the law adviser) promised to endeavour to interfere with the Attorney-General for Ireland. He suggested that Mr. Meeke should now repeat the salient points of the explanation he had given the Law Committee, so as to inform them whether he had been able to see the Attorney-General.

MR. WILLIAM C. MEEKE (solicitor) said that, unfortunately, he had failed to see the Attorney-General. He wrote him, and received a reply that he was not in London for the vacation. The Attorney-General left the matter open whether the representatives of the Society would see him in London or not. Mr. Meeke had not replied to that letter, pending the next meeting. Under the Government of Ireland Bill the Pharmaceutical Society of Ireland really had no position at all. They were like many other bodies—they were not referred to—and he could not for the moment understand what was going to happen if the Bill became law. In effect the Irish Privy Council was going away with as a Privy Council for the whole of Ireland, but it was preserved in this sense, that there were to be Executives—a Northern Ireland Executive and a Southern Ireland Executive—and these Executives were to be composed of the Ministers for the two divisions of the country respectively. It did not seem to him that the Privy Council as a whole could, after the Bill became law, have any jurisdiction to interfere as a Privy Council in the entire country as now constituted. At present the Privy Council sanctions the Society's regulations and matters of that kind. But, assuming the Bill became law, he (Mr. Meeke) could not form any idea as to where the Society would go, or to whom they would go, to get a regulation sanctioned or to get a simple matter as a temporary examinership sanctioned. The two Parliaments undoubtedly would have jurisdiction over pharmaceutical matters, each in their own sphere. That was absolutely clear. There were in the Bill certain specially reserved subjects; there were a number of other subjects reserved directly and indirectly; but in no way could the Pharmaceutical Society come within the scope of any of those reservations. It seemed to him that really there was only one way in which the Society should take up the matter—the prospect of success, having regard to what was intended by the Bill. His own profession and the Society were protected in this way: that members existing at the time of the passing of the Bill remained members

of their profession in both Northern and Southern Ireland with the right to practise in both or in either Northern or Southern Ireland. That, of course, only applied to existing members. It seemed to him that if the Pharmaceutical Society could get a somewhat similar protection for those who held diplomas from them they would have gone as far as they could hope to get. In his letter to the Attorney-General he did not mention the particular point on which he wished to see him, nor had he any authority to make any formal suggestion to him. But he had no doubt that the proposition he had mentioned would be considered a reasonable one; and he did not think it would be unreasonable to hope that they would be able to carry it. The other question on which the Society should concentrate was: what would be their status and how would they carry on between the time that the Bill came into operation, if it ever came into operation, and the time when the two Parliaments in Ireland would exercise some legislative function in respect of pharmacy. Supposing that the Bill came into operation, they could readily understand that in the very crowded times that would follow for both Parliaments pharmacy would probably be a minor matter. And if nothing should be done for pharmacy for six months or eight months, how were they to carry on in the meantime? Had they not to get the sanction of the Privy Council to the appointment of a temporary examiner?

THE TREASURER: Will there not be a Supreme Council? There was a Council of Ireland, but the functions of that Council were clearly defined, and they certainly did not include the control of pharmacy. The executive functions which are now vested in the Privy Council are being shifted, and in that shifting the Privy Council is, in effect, done away with. The Bill constitutes two Executive Committees of the Privy Council, and they are defined as being the Ministers for Northern and Southern Ireland respectively responsible to the Lord-Lieutenant. He could not see any words in the section that helped them in their difficulty at the moment. The section stated:

The persons who are Ministers of Southern Ireland for the time being shall be an Executive Committee of the Privy Council of Ireland (to be called the Executive Committee of Southern Ireland), to aid and advise the Lord-Lieutenant in the exercise of his executive power in relation to Irish services.

There is a corresponding provision in regard to Northern Ireland.

MR. W. F. WELLS: That means that the Privy Council is to be cut in two.

MR. MEEKE: Substantially that. At the present time the entire Privy Council is summoned to advise the Lord-Lieutenant on his executive powers. Now it is proposed that these executive functions are to be performed, not by the entire Privy Council, but by these Executive Committees of the Privy Council for the North and the South.

MR. DORG: How are the Executive Committees of the North and South to be able to carry on the work that the Privy Council could have done?

MR. MEEKE: That is a very difficult question to answer. At the present time the Pharmaceutical Society is a Society extending over the whole of Ireland and under the jurisdiction of the Privy Council. How you are going to be affected the Bill does not show.

MR. TATE: Mr. Meeke thinks our greatest difficulty is in the transition stage between the passing of the Act and the time at which the two Parliaments will be brought into active working order.

MR. MEEKE said it was not at that stage that he saw the difficulty, because the Act would not come into effect until the two Governments were set up; and until the Governments were set up the old Privy Council would stand. The difficulty he saw for the Society was between the time that the Bill came into actual operation—not when it passed into law in the British Parliament—and the time when the two Parliaments would deal with pharmacy, in whatever way they ultimately might.

MR. TATE: That is what I call the transition stage. Then the question will naturally arise whether the two

Parliaments can coalesce in the matter of any particular legislation.

Mr. MEEKE said the two Parliaments could pass similar Acts of Parliament in respect of the same matter. They certainly will have power to do it.

Mr. TATE said they should probe this matter so as to keep their position safe and see that they would be able to carry on legally and quietly. He did not know what the opinion generally of Northern Ireland, from which he came, was regarding the Pharmaceutical Society of Ireland; and he could not take it upon himself to express an opinion. But, judging by the feeling that had existed between the members of the Council so long as he had been a member, he thought there had been no diversity of opinion regarding the way they had carried on their work to the satisfaction of Ireland generally. However, they could not tell what the future might develop in this respect. They should see that as a society they were protected under this Bill.

The PRESIDENT said the rights and privileges of their present members should be preserved, and they should take steps to see that, during the transition stage, their Society was maintained with its present status.

Mr. W. F. WELLS said they should at all events take steps to see that they would be able to carry on during the transition stage, and until something was fixed by the two Parliaments. It would be unfortunate if a deadlock arose. They ought to approach the Attorney-General and get themselves protected in the way that Mr. Meeke suggested.

Mr. MEEKE thought they ought not to incur the expense of a deputation to London at the present time. He suggested that he might write to the Attorney-General and see what he said. And then it would be for the members of the Society to approach some non-official member of Parliament and see that their views were ultimately carried out.

Mr. LEE inquired what the position of the Privy Council would be supposing Northern Ireland accepted the Act and worked it, and that Southern Ireland refused to work it.

Mr. MEEKE: I am neither a prophet nor the son of a prophet. I cannot express any opinion upon that.

Mr. W. F. WELLS: Then we could not act for Ulster.

Mr. DOIG: Won't it mean splitting into two? Each one will have its own.

Mr. MEEKE: Probably that is what it comes to. I do not see how you have to work any way else.

Mr. DOIG: There will be a Council always able to carry on the business of the country. The country is never left without an administrative body.

Mr. MEEKE: But here you are dealing with what is in effect a written constitution. It would be only fair and reasonable to expect that at the passing of the Act the members of the Society should have their rights preserved so as to enable them to practise in either Northern or Southern Ireland.

Dr. BARNES: These suggestions presume a desire on our part to divide up the Society. Is anybody desirous of keeping the Society intact as it is? And would it be possible to do so?

Mr. W. F. WELLS: We ought to keep ourselves clear of expressing any opinion about dividing up the country, or about any particular matter. Our only object is to preserve pharmacy without going into the other question. We are here not to express any opinion one way or another about this Bill.

Mr. DOIG: We take the Bill as it is. There will be two sections—Northern and Southern. The Northerners will speak for themselves and try to legislate for themselves, and the Southerners will do the same. We need not be afraid of touching the question. There are two and there will be two, and I do not see why we cannot come to some idea of how things will be done. I think it would be far better to divide the Council.

Mr. W. F. WELLS: I would not express that opinion here.

Dr. BARNES: I thought we had met to consider the

future, not of pharmacy, but of the Pharmaceutical Society.

Mr. BLAIR: That is my opinion.

Mr. W. F. WELLS: Can you consider the future should want to be more than the son of a prophet dictating anything about the future.

Mr. BLAIR: As a body established by charter you would try, if possible, to keep ourselves as we are.

Mr. BEGGS (treasurer): Hear, hear.

Mr. BLAIR: And still have powers to carry on duties as a profession and as a body established by a Bill irrespective of the two Parliaments.

The PRESIDENT: Mr. Meeke will tell you there is a difficulty here. We are not included in this Bill.

Mr. BLAIR: I think this is the time to approach the Attorney-General, and see if we cannot get permission to carry on in our existing position.

The PRESIDENT: Supposing one Parliament says we are not agreeable to them, you have no compulsory power.

Mr. BLAIR: The Parliaments have not been to my idea is to set our house in order, so that we are able to lay our case before Parliament.

Dr. BARNES: Mr. Blair has expressed my opinion. Mr. Meeke states that the University of Dublin and the Queen's University of Belfast are already protected. We cannot we endeavour to get in the same position as specially mentioned in the Bill?

The PRESIDENT: Can that be done?

Mr. MEEKE said nothing was impossible if they could get Parliament to do it. But this suggestion went to the root of the whole matter. The reason that the Universities were protected was simply on account of the political atmosphere of the country. It was hardly his province to say to them what he might suggest as a matter of prudence. The Pharmaceutical Society of Ireland are a very mixed body, representing all classes of community and all politics, and he very much doubted wisdom of going behind what was in the Bill with a view of placing themselves outside what is ultimately meant for the country. Undoubtedly there would be some people for the proposal and some against it. But where the Council ought to identify themselves officially with either side was a matter open to very grave question, at that time was a matter not really in his province.

Mr. W. F. WELLS asked, supposing that the Council continued on for the whole of Ireland, and that they wanted to get anything they did approved of by the Council would be in existence, would they have to attend Belfast?

Mr. MEEKE: If you were excluded, it follows that the necessary provisions would be included in the Bill enabling you to carry on. That is only a question of detail I am thinking of the bigger question of the policy of it.

Mr. W. F. WELLS: I think we should want to be very careful of anything that we do in that way.

Mr. TATE said their present object was to eliminate the Government their position now and in the future. When they tried to look into the future they would find difficulties. But at the present time it would be very difficult for them to decide in connection with the matter—they simply could not do it. The Council has been a non-political body, as far as he was aware, and had carried on harmoniously. If two Parliaments were set up the difficulty would arise as to how they would carry on.

Mr. MEEKE drew up the following resolution which he suggested, might meet the present situation:

That the solicitors be directed (a) to submit to His Majesty's Attorney-General for Ireland the result which the present Government of Ireland Bill would produce pending legislation in pharmaceutical matters by the Parliaments of Northern and Southern Ireland; (b) to suggest that the Bill should fairly contain similar provisions to those relating to existing solicitors so as to preserve present rights in both Northern and Southern Ireland of pharmaceutical chemists, chemists and druggists, registered druggists, and assistants to pharmaceutical chemists; (c) that the Law Committee be appointed a Committee to deal with the matter, and that they have full powers in all respects, including the incurring of all necessary expenses.

EEKE said the resolution did not profess to do in to regulate the interregnum and to preserve s of the licentiates.

ORG.: Should we not go further?

EEKE said that would be against the whole prin- the Bill, which gave each section liberty to their own affairs; and, if he might say it, that a treading on very dangerous ground.

HANNA asked what objection there is to the Society vring to get into the same position as the Univer- Dublin, Trinity College, and the Queen's Univer- fast.

EEKE said the Pharmaceutical Society is different ese bodies. Take the University of Dublin and College—neither of them had jurisdiction out- own walls, whereas the Pharmaceutical Society a penal, a deterrent, and other jurisdictions out the whole of Ireland; and if they attempted de themselves from the operation of the Bill, ald be running counter to the intention of the ment, which was to set up two authorities to deal tters of government and executive matters each ts own area.

WALSH: The National University will be under Parliament?

EEKE: Yes, and Cork and Galway Colleges, I

ATE said he did not see what they could do otect themselves until the connecting link was

HANNA asked was there no meeting of the and Southern Councils in one body.

EEKE: No, not of the Executives.

LAIR said he had come to the conclusion that s no use in their trying to get the Society speci- aded in the Bill.

EEKE referred to clause 62 of the Bill, which sially with the cases of the University of Dublin, College, Dublin, and the Queen's University, The section provides:

made by the Parliament of Southern Ireland or Ireland shall have effect so as to alter the con- or divert the property of, or repeal or diminish vating exemption or immunity enjoyed by the Uni- of Dublin or Trinity College, Dublin, or the Queen's vety of Belfast, unless and until the proposed altera- tion, repeal, or diminution is approved:

The case of the University of Dublin or Trinity g Dublin, by a majority of those present and voting ating of each of the following bodies convened for ose—namely, the governing body of the College r junior fellows and professors voting together, and vity Council and the Senate; and

The case of the Queen's University of Belfast by aty of those present and voting at a meeting of the following bodies convened for the purpose— the Senate, the Academic Council, and the Con- of the University.

ATE said he could not see what more they could the pass the resolution drawn out by Mr. Meeke. eeting two different communities, they could not t might develop in the meantime. They had been opy up to the present, and he was sure nothing ured among them that would make them un- or the future. They would represent probably, s they could see, two constituencies; and they t tell what the voice of those constituencies would ight compel them to do certain things.

EGGS: When the two Parliaments meet there is to prevent them passing similar legislation.

Mr. F. F. WELLS: We could not have two Pharma- Societies in Ireland from a monetary point of should very much like what Mr. Hanna suggests, t could be done. But I do not see how we can get it.

Mr. OWEN WELLS: If Mr. Meeke had ten minutes' vention with the Attorney-General it would be better an a correspondence extending over four weeks.

Mr. F. F. WELLS: If there is to be an interview there ould be no objection to putting forward Mr. Hanna's

The PRESIDENT proposed, and Mr. W. F. WELLS seconded, the resolution drawn up by Mr. Meeke.

Mr. HANNA proposed an amendment, substituting for (a) in the resolution proposed by the President a proposal authorising the Law Adviser to interview the Attorney-General in London and take such steps as might be necessary in his judgment to secure the insertion of the Pharmaceutical Society of Ireland in Clause 62 of the Government of Ireland Bill.

Dr. BARNES seconded the amendment. He said the Council should endeavour to secure the future of the Society as it now stands—that is, a Society having juris- diction over the whole of Ireland. In seconding the amendment he was not actuated by any political or terri- torial consideration. He put it purely *pro bono publico*, as one certainly having the interests of Irish pharmacy at heart. They had only to open their calendars to see what a wretchedly small body they are even at present; and the idea of dividing the existing body was, to his mind, absurd. He did not see how either of the divided parts could be carried on. There would not be enough money to pay examiners, Registrar, and so on, unless the Government of each part of the country came to their aid; and he supposed they would not do that.

The PRESIDENT: There is nothing to prevent us as a Society being under one Government after the two Parliaments have been in operation. We can have the same governing body as we have at present for the whole of Ireland by agreement.

Mr. MEEKE: It would entail two corresponding Acts of Parliament, one by each Parliament.

Mr. LEE: When once the two Parliaments are working, get them to recognise each other's certificates and the thing will be finished.

The PRESIDENT: In addition to that there is the ex- pense of running two societies.

Dr. BARNES: That is my point.

Mr. W. F. WELLS: I do not see how you could run two societies.

Mr. MEEKE: I quite agree with that. But the diffi- culty to my mind is the question of attempting to get something which is contrary to the principle of the whole Bill.

The PRESIDENT put the amendment and it was lost, three members of the Council—Mr. Hanna, Dr. Barnes, and Mr. Digges—voting in favour of it and ten against.

The PRESIDENT then put the original resolution; and it was passed unanimously.

The PRESIDENT said they were much obliged to Mr. Meeke for attending and giving them so much informa- tion. They had had a very profitable discussion; and when they had an opportunity of reading it in THE CHEMIST AND DRUGGIST they would be able to study it more practically.

THE IODINE INDUSTRY.—At the present moment Chili can supply about 7,500 tons of iodine annually, repre- senting 70 per cent. of the world production. The "kelp," or "varech," found on the coast of Brittany is also used as a source of iodine, as the ash of these sea-weeds contains 1.6 per cent. of iodine, and the pro- duction of iodine from them has continued since it was first isolated, in 1812, by Courtois. The production of iodine in Brittany is undertaken by ten small factories, whose total annual output aggregates only sixty tons. The future supply of iodine is discussed by Dr. A. Ranc (Farmacia, No. 4, 1920), who pleads for a more rational and extensive utilisation of kelp. He points out that these sea-weeds, besides yielding iodine, can also supply a kind of gelatine, resembling agar-agar, a sugar, and, further, be used as fodder. Another source of iodine is to be found in numerous mineral-waters, for instance in Java, where as much as 130 milligrams of iodine, in the shape of magnesium iodide, has been found in one litre. He mentions the interesting fact that iodine is also present in the atmosphere, to the extent of $\frac{1}{100}$ of a milligram in 1,000 litres of air; and also in the water of rivers, thus he estimates that no less than 40 kilograms pass daily under the bridges of Paris.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Portsmouth.—At a meeting of the Insurance Committee, on May 27, payments to chemists were approved for January, February, and March, 1920. The following comparison between the corresponding period last year and the first quarter of 1920 was given:

1919					
	No. of Scripts	Cost £ s. d.	Av. Cost per Script	No. of Scripts	Av. Cost
1920					
Jan. ...	12,838	564 2 3	10.54d.	8,586	8.54d.
Feb. ...	12,510	555 3 1	10.65d.	14,496	8.47d.
Mar. ...	14,622	648 19 1	10.65d.	13,626	8.22d.

The accounts for 1919 of the South-Eastern Joint Pricing Committee were received, and showed that the cost to the Committee of pricing 136,028 prescriptions was 213l. 5s. 7d. With reference to "urgent" prescriptions, the Pharmaceutical Committee suggested that where urgent prescriptions do not bear the endorsement they should be returned to the chemist for completion. The Committee approved this suggestion and directed that the Joint Pricing Committee should be notified.

SCOTLAND.

Dumfries.—At a meeting of the Borough Insurance Committee on May 26, a scheme for pharmaceutical service was given as follows: Chemists will be open on weekdays from 9 A.M. to 7 P.M., Thursdays, 9 A.M. to 1 P.M., Sundays 10 to 11 A.M. and 7 to 8 P.M. Chemists supplying urgent medicines after hours will exhibit a card giving their house residence and with the intimation that drugs urgently required can be obtained by application there. A lady member drew attention to the fact that the chemists' shops were shut during the dinner hour, which she characterised as a real hardship, and she suggested that some of the shops might be shut at different hours. It was agreed to send the scheme back to the chemists, with a request that they consider the question of keeping open during the dinner hour. At a recent meeting of the Dumfriesshire Insurance Committee the clerk read a letter from the Pharmaceutical Society stating that the panel chemists were willing that the same service as was in operation from 1913 should be continued—after closing hours arrangements had been made whereby patients could have urgent medicines dispensed by applying at the residence of the chemist. Panel patients coming from a distance are to have the same privileges. It was agreed to remit to the Executive Committee to give approval to the scheme.

Kirkcaldy.—The following is the notice sent to chemists by the Kirkcaldy Insurance Committee. The scheme was prepared in accordance with the provisions of Section 9 of the National Health Insurance (Medical Benefit) Regulations (Scotland), 1920:

1. The place or places of business specified in the chemist's application for inclusion in the Committee's list shall at all reasonable times be open to insured persons for the supply to them of drugs and appliances, and in particular shall be continuously (1) on each week-day except Wednesday, between the hours of 8.30 A.M. and 7 P.M., (2) on each Wednesday between the hours of 8.30 A.M. and 1 P.M., and (3) on each Sunday between the hours of 10.15 and 11 A.M., 1.15 and 2 P.M., and 5.30 and 7 P.M.

2. In respect that shop premises in the Burgh of Kirkcaldy are usually closed on New Year's Day, Spring Holiday, Victoria Day, the Thursday and Friday occurring in the week of the Kirkcaldy annual holidays and the autumn holiday the chemist shall be entitled to close his place or places of business on said days except between the hours of 9 and 12 A.M. and 6 and 7 P.M.

3. Practitioners shall mark "Urgent" any prescriptions for medicine required at once which are issued outwith the chemist's business hours on any day, and the chemist shall dispense prescriptions so marked without delay.

4. A copy of the scheme shall be sent to each chemist Insurance service practitioner under agreement with the Committee for his information.

5. In this scheme "chemist" means a person who dispenses drugs or appliances as defined in the National Health Insurance (Medical Benefit) Regulations (Scotland), 1920, and other words and expressions have the same meaning as those Regulations.

[Our correspondent calls attention to the fact that the attendance of panel chemists who, unless they have fixed assistants, must always be in the pharmacy during the holidays.]

Westminster Wisdom

By the "C. & D." Parliamentary Representatives

PARLIAMENT REASSEMBLED

on June 1 after the adjournment on May 20 of the Whitsuntide recess.

SULPHATE OF POTASH.

In reply to a question by Sir Richard Cooper, stated in the House of Commons, on June 1, the maximum prices of sulphate of potash were fixed on August 20, 1919. The prices are ex ship British 22l. 7s. 6d.; delivered at nearest railway station 23l. 2s. 6d. The quantity contracted for was 13,000 tons and now was licensed for export to the United States.

UNIVERSITY OF LONDON.

A number of questions was asked in the House of Commons on June 1 in regard to the large site in London which the Government has offered to the University of London. It was suggested that a better site would be that occupied by the Foundling Hospital in the immediate vicinity, with the advantage that the site would not be disturbed nor would the property intersected by roads. Mr. Fisher, the Minister of Education, said the Government had come to the conclusion that the Foundling Hospital site was less suitable in the land it is proposed to acquire from the Duke of Devonshire. He was not in a position to state the price to be paid to the Duke for the land.

Coming Events.

Monday, June 7.

Royal Society of Arts, John Street, Adelphi, London, C. 8 P.M. Cantor Lecture (III.): "Aluminium and Alloy" by Dr. Walter Rosenhain, F.R.S.
Society of Chemical Industry, Institute of Chemical Engineers, 30 Russell Square, London, W.C., at 8 P.M. Exhibition of apparatus of interest to chemists.

Tuesday, June 8.

Amalgamated Society of Pharmacists, Drug and Chemical Workers (Public Pharmacists' Section), Progressive Amalgamated Club, Arundel Hotel, Arundel Street, Strand, London, W.C., at 7.45 P.M. Meeting.

BRADFORD CHEMISTS' ASSOCIATION.—The summer outing will be held on June 16, when a journey will be made to Burnley and Grassington by motor char-a-banc.

LONDON CHEMISTS' GOLF SOCIETY.—Qualifying rounds will be played on any course, on June 10, 12, or 13, for the British Colonial Pharmacist Cup; 18 holes medal play.

NORTH LONDON PHARMACEUTICAL ASSOCIATION.—The annual outing will be held on June 24, for which a motor run has been arranged. Tickets (14s. 6d. single, 28s. double, including lunch) from Mr. H. Skinner, The Dispensary, Great Northern Hospital, London, N.W. 7, not later than June 10.

A REPORT FROM VIENNA states that a British syndicate proposes to purchase the chemical works in Cronstätt and Nagy-Boczko which belong to the Hungarian chemical works "Clotilde," and to convert them into a Rumanian company, the capital of which is to be largely British. The report states that the British, by monopolising and extending the Siebenburg chemical works, are striving to compete with Germany's chemical industry in South-East Europe.

London Insurance Pharmacopœia.

Recently mentioned, the Pharmacopœia section of the Sub-Committee of the London Insurance Committee have approved a revised edition of the London Insurance Pharmacopœia. The alterations proposed are as follows:

ADDITIONAL FORMULAS INCLUDED.

acid, tannic.	Mist. ferri et ammon. cit.
potass. chlor. et	Mist. ferri et quass.
thymol. col., B.P.C.	Mist. hydrastis co.
ptonans.	Mist. phenazon. co.
lladon. c. hydrarg.	Mist. quinin.
icis sulph.	Mist. rhei co.
ici co.	Mist. senega. c. scilla.
smuth. aromat.	Mist. sulphur. co.
icii chlorid.	Mist. tussis.
minativ.	Mist. valerian.
car. co.	Pasta zinci co.
osot.	Pil. calomel c. colch.
ervescens.	Pil. ferri redact. co.
otæ acid.	Pulv. acidi boric. co.
ota. sedativ.	Ung. calomel c. morph.
er.	Ung. detergens.
pectorans.	Ung. methyl. salicyl.
	Ung. methyl. sal. dil.

FORMULAS FOR CHILDREN.

hum.	Mist. hæmatoxyli co.
rant.	Mist. ipecac. salin.
usidi.	Mist. nucis vom.
alerg.	Mist. olei ricini.
pectoratal.	Mist. potass. bromid.
za. mit.	Mist. potass. chlor.
mon. acet.	Mist. potass. iodid. c. stramon.
erians.	Mist. co. rhei mit.
mithi co.	Pulv. jalapa. c. rhei.
ci. lact.	Pulv. rhei c. hyd. c. cret.
caræ mit.	Pulv. zinci oxid. c. amylo.
ri laxans.	Solut. sodii citrat.
cis.	

ALTERATIONS ARE MADE IN THE FOLLOWING FORMULAS:

lori.	Mist. ferri et magnæs. sulph.
loramid. co.	Mist. ferri et strych.
idi boric.	Mist. gentian. alkaline.
d. acetylsalicyl.	Mist. potass. bicarb.
d. hydrobrom.	Mist. potass. bromid.
mon. chlor.	Mist. scoparii co.
mithi.	Mist. senega.
et. aromat.	

FORMULAS DELETED.

ri perchlor.	Mist. potass. chlor. et ferri
at. c. rhei.	Pil. galbani co.
ass. chlor.	Pil. scammonii co.

Following are some of the new formulas:

Gg. Ac. Tannic.	
ann. ... 3j.	
ad ... 3j.	
ut. chlor. et Ferri.	
chlor. ... 3j.	
feri perchlor. 3j.	
... 3ss.	
... 3viij.	

Luoer Peptonas.

rdini (in	
... gr. x.	
... gr. v.	
... gr. xxxv.	
... mxxx.	
... mxx.	
... 3j.	

Luoer Bellad. c. Hydrarg.

... 3j.	
perchlor. gr. j.	
... 3viij.	

Luoer Calcis Sulph.

(Vle)ckx's Solution.	
... gr. xxxiij.	
... gr. xcviij.	
... 3iv.	

Luoer Zinci Co.

ph. ... gr. j.	
borici ad 3j.	

Mist. Effervescens.

1. Potass. bicarb. ... gr. xx.	
Aq. ad ... 3ss.	
2. Ac. citrici ... gr. xv.	
Aq. ad ... 3ss.	

Mist. Ergot. Acid.

Ext. ergot. liq. ... mxxx.	
Ac. sulph. dil. ... mxx.	
Mag. sulph. ... gr. xx.	
Aq. chlorof. ex. conc. ad ... 3ss.	
(To be taken in water.)	

Mist. Ergot. Sed.

Tr. ergot. amm. ... mxx.	
Potass. brom. ... gr. viij.	
Potass. chlor. ... gr. viij.	
Aq. chlorof. ex. conc. ad ... 3ss.	
(To be taken in water.)	

Mist. Ether.

Ether ... mxx.	
Ammon. carb. ... gr. iv.	
Syr. aurant. ... 3ss.	
Aq. ad ... 3ss.	

Mist. Expectorans.

Ext. ipecac. liq. ... m ½	
Amm. carb. ... gr. iij.	
Tr. camph. co. ... mxxv.	
Aq. ad ... 3ss.	

Mist. Ferri et Ammon. Cit.

Ferr. et amm. cit. ... gr. viijss.	
Amm. carb. ... gr. iij.	
Emuls. chlorof. ... mxxv.	
Aq. ad ... 3ss.	

Mist. Ferri et Quass.

Liq. ferri perchl. ... mxx.	
Emuls. chlorof. ... mxxv.	
Inf. quass. ad ... 3ss.	

Mist. Hydrastis Co.

Tr. hydrastis ... mxx.	
Tr. hamamelidis ... mxx.	
Ext. ergot. liq. ... mxx.	
Aq. chlorof. ex. conc. ad ... 3ss.	
(To be taken in water.)	

Mist. Phenazon. Co.

Liq. amm. acct. ... 3ss.	
Phenazon. ... gr. x.	
Tr. card. co. ... 3ss.	
Inf. caryoph. ad ... 3ss.	
(To be taken in a wineglassful of water.)	

Mist. Quinin.

Quin. sulph. ... gr. jss.	
Ac. hydrobrom. dil. mxx.	
Emuls. chlorof. ... mxxv.	
Aq. ad ... 3ss.	

Mist. Rhei Co.

Sodii bicarb. ... gr. xv.	
Pulv. rhei ... gr. iv.	
Amm. carb. ... gr. iij.	
Syr. zingib. ... 3ss.	
Aq. menth. pip. ad 3ss.	

Mist. Seneg. c. Scilla.

Vin. ipecac. ... mxxv.	
Tr. scilla. ... mxx.	
Inf. senega. ad ... 3ss.	

Mist. Sulphur. Co.

Sulph. præcip. ... gr. v.	
Mag. carb. lev. ... gr. v.	
Glycerin. ... mxx.	
Aq. menth. pip. ad 3ss.	

Mist. Tussis.

Diamorph. hydrochlor. ... gr. 1½	
Syr. tolu. ... mxxx.	
Liq. fuchsin. ... mxx.	
Aq. chlorof. ad 3ss.	

Mist. Valerian.

Tr. valer. ammon. ... mxxx.	
Tr. hyoscy. ... mxxx.	
Aq. chlorof. ad 3ss.	
(To be taken in water.)	

Pasta. Zinc Co.

Zinci oxid. ... 3iv.	
Amyli. ... 3iv.	
Ac. salicyl. ... gr. xx.	
Paraff. moll. ad 3ij.	

Pil. Cal. c. Col.

Calomel ... gr. j.	
Res. podoph. ... gr. ½	
Res. jalap. ... gr. j.	
Ext. colch. acct. ... gr. j.	
Ext. bellad. ... gr. ½	
Pil. coloc. co. ... gr. ij.	

Pil. Ferr. Reduct. Co.

Ferr. redact. ... gr. iij.	
Ext. nuc. vom. ... gr. ½	
Aloin. ... gr. ½	
Ext. gent. ... q.s.	

Pulv. Ac. Boric. Co.

Pulv. ac. boric. ... 3j.	
Zinci oxid. ... 3ij.	
Pulv. amyli. ... 3vj.	

Ung. Calomel c. Morph.

Calomel ... gr. xxx.	
Morph. hydrochlor. gr. iij.	
Bism. oxid. ... 3ij.	
Glyc. ac. boric. ... 3ij.	
Paraff. moll. ... 3vj.	

Ung. Deterg.

Liq. picis carb. ... mxxx.	
Lyd. ammon. ... gr. lx.	
Paraff. moll. ... 3iij.	

Ung. Methyl Salicyl.

Methyl salicyl. ... 3ij.	
Cere alb. ... 3j.	
Lanolini ... 3j.	

Ung. Methyl Salicyl. Dil.

Ung. methyl salicyl. 3iv.	
Lanolin. ... 3vj.	
Paraff. moll. ad 3ij.	

THE MEDICINE STAMP REVENUE IN 1802.—The following satirical extract is taken from a September number of "The Morning Chronicle" (in that year the revenue from patent-medicine stamps in Great Britain was 27,524l.): "At the moment I write, an entire suspension of disease has taken place, because no prescriptions can be administered without a stamp, which no man thinks himself ill enough to afford; the cheering sounds of pestle and mortar are no longer heard in our streets, and the temple of Hygeia, in Warwick Lane, is shut. The consequence of this interruption to business is, that thousands are recovering for want of assistance; . . . the middling and lower classes, who cherish a love of liberty and health, will never submit to have a tribe of informers watching at their bedsides. . . . No, sir, they will rather get well, be the consequences what they may. . . ."

Trade Report.

42 Cannon Street, E.C. 4, June 3.

BUSINESS continues of extremely small dimensions in the home trade, but there is a fair amount of activity among wholesale druggists on the export side. The reopening of trade with Russia may tend to relieve the present depression somewhat, if it can be developed on favourable lines; the prospects for again receiving supplies of Russian drugs are better. The improvement in Continental exchanges has not been sufficient to affect business to any extent, trading with France being particularly quiet. The railroad congestion, industrial unrest, and the obscure financial outlook are the uppermost features in the United States at the moment, but it is to be hoped these are passing phases. Prices from that side have evinced a lower tendency of late, but it cannot be said that there has been any pronounced decline in American botanical drugs, the reduction applying more to pharmaceutical chemicals, in which there is keen competition with Europe. Germany, by the way, is flooding this market with circular offers at attractive prices. The bulk of market changes have continued downwards, among them being amidopyrin, salicylic acid, phenacetin, phenazone, salol, vanillin, barbitone, citric acid, and oxalic acid. Menthol and Japanese refined camphor are lower. Pilocarpine salts and sparteine sulphate are dearer. Pending the auctions, crude drugs are mostly unchanged; squill and colocynth are firmer; caraway-seed is easier; canary, cummin, fennel, and fenugreek seeds are steady. Turpentine and wood oil are cheaper.

Higher.—Benzols, citronella oil, honey, pilocarpine salts, sparteine sulphate.

Firmer.—Gassa fistula, colocynth, gingergrass oil, palmarosa oil, paraformaldehyde, petitgrain oil, squill, vegetable wax (Jp.).

Easier.—Amyl salicylate, aspirin, barbitone, benzoin (Sumatra and Palembang), camphor, refined (Jp.), caraway-seed, cardamoms, cassia oil, dragon's-blood (ord. slabs), formaldehyde, gentian, hyoscine hydrobrom., juniper-berry oil, lemongrass oil, orange-peel, oxalic acid, paraldehyde, phenacetin, phenazone, white pepper (S'pore), theobromine, vanillin, Carnauba wax.

Lower.—Albumen, amidopyrin, aubepine, balsam tolu, castor oil, cassia lignea, cloves (Zan.), citric acid, egg yolk, ipacacuanha (Matto Grosso), linseed oil, liquorice juice, menthol, methyl anthranilate, quinine (makers), rhubarb (high-dried), resorcin, salicylic acid, salol, turpentine, wood oil (Ch.).

Cablegrams.

NEW YORK, June 2.—Business is quiet. Menthol is 25c. per lb. lower at \$9.50. Belladonna root is cheaper at 50c., and balsam Peru has been reduced to \$5.50. Mercury is \$5.00 lower at \$80. Domestic refined camphor is cheaper at \$2.15 per lb. Acetanilide has advanced to 75c., and short buchu is 25c. dearer at \$4.00 per lb.

BERGEN, June 3.—The total catch of cod amounts to 35,000,000, against 26,700,000 for the corresponding date of last year, and the yield of steam-refined oil is 50,000 barrels, against 32,900 barrels at the same period of last year. The fishing at Finnmarken remains very poor, and the market for medicinal oil closes dull.

ALMOND OIL.—English pressers quote B.P. sweet at 3s. 6d. per lb.

AMIDOPYRIN is about 1s. 6d. per lb. lower, importers offering at 53s. 6d. per lb.

ANISE.—Russian is slow of sale at 87s. 6d., and Spanish is quiet, at 100s. per cwt.

ANTIMONY.—Foreign regulus is practically unsaleable, with offers reported at as low as 50l. per ton c.i.f. home ports. Parcels from China have been coming in on a fair scale lately, including some lots of crude, the terms for which range from 42l. upward c.i.f.

ARROWROOT is quiet, with usual fair manufacturing St. Vincent offering at 4½d. per lb.

ASPIRIN of B.P. quality is quoted at from 5s. d. to 6s. d. per lb., as to quantity, and to arrive at 5s. 6d. c.i.f. quoted.

BARBITONE is easier at from 27s. to 28s. per spot.

BENZOATES.—Benzoic acid ex toluol is quoted at 4s. 6d. to 4s. 9d., and benzoate of soda at from 3s. 6d. to 4s. 9d.

BENZOLS are 2d. dearer, 50 per cent. to 90 per cent. offering at from 2s. 6d. to 2s. 7d. per gallon. Benzol 2s. 6d. to 2s. 7d.; 60 per cent. crude, 1s. 6d. to 1s. 7d. and pure at from 3s. 1d. to 3s. 2d. per gallon.

BISMUTH.—There is no apparent change in the market, while the current supplies coming forward from Borneo and elsewhere are regularly absorbed. The price by the ring has remained at 12s. 6d. per lb. The market, however, has weakened from \$5.25 to \$5.00 per lb. owing to increased competition by importers, and this may eventually have some little effect on prices on this side.

CADMIUM is steady at about 6s. 9d. per lb., but business might possibly be done at a little less.

CAMPHOR (CRUDE).—Spot sales of Chinese camphor made at 5s. 3d. per lb., and June-August is 5s. 3d. c.i.f.

CAMPHOR (REFINED).—Japanese is cheaper on the spot, the sales including slabs at 9s. 3d. to 10s. to 10s. 9d. per lb., and for forward shipment 9s. c.i.f. is quoted.

CANARY-SEED is steady, but little doing, at 150s. per quarter for ordinary to good Morocco.

CANTHARIDES.—Russian is now in fair supply at 12s. 9d. to 13s. 6d. per lb., according to quantity.

CARAWAY-SEED is offering at 42s. 6d. per cwt. for Dutch on the spot, being rather easier.

CASCARA SAGRADA.—Privately stocks are still plentiful with spot sellers at from 100s. to 102s. 6d. per cwt. according to age.

CASSIA LIGNEA is lower, with selected whole cassia at 70s. per cwt., and broken at 60s.

CHILLIES are firm, the sales recently including bright Nyasaland at from 110s. to 115s. per cwt.

CINCHONA.—At the auction on Tuesday 146 lbs. Indian offered and 77 sold, including Crown chips 1s. 10d. to 2s. 1½d., root at 1s. 7d. to 1s. 10½d., like quill 1s. 9½d., and Ledgeriana chips 1s. 7d.; 1 lb. Ceylon offered and 20 sold, including Succirubra chips at 1s. 10½d. to 2s. 4d.; and sea-damagals 1s. to 2s. 3d.; 69 bales Java offered and ten sold at 6d. dusty Succirubra root; 76 bales Calisaya and 4 packages South American were bought in. Further particulars of the auction to be held at Amsterdam on June 9 show that the 919 packages (743 bales and 176 cases) Javanese medicinal bark weigh 45,430 kilos., and contain the equivalent of 1,400 kilos. quinine sulphate. In the London auction 15 cases of thin Java quill in bundles sold at 3s. 3d. per lb., and for five cases Loxa Crown bark 2s. 6d. per lb. was paid.

CITRIC ACID is lower, with spot sellers at 5s. per cwt.

CLOVES are about 1d. per lb. cheaper, with offer of fair Zanzibar at 1s. 11d. to 1s. 10d. per lb.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on June 9 show that the 310 packages (2,978 bales and 100 cases) weigh 175,900 kilos, with a total alkaloidal content of 2,340 kilos. The average percentage is 1.34. In the London draft 107 bales fair greenish Huanuco leaves offered and 115 sold at 2s. 6d. per lb., and for 14 bales of fair green Truxillo slightly broken 2s. 3d. was wanted.

COCAINE.—Hydrochloride is somewhat scarce, with sellers at 40s. per oz.

COD-LIVER OIL.—Our Bergen correspondent writes May 26 that, contrary to expectations, the Finnmarken cod-fishing is far behind that of previous years, and practically amounts to a failure, being only 3,444,200 cod, with a yield of 5,538 hectol. of steam-refined oil and 115 hectol. of livers for raw oil, compared with 8,415,000 d. 9,513 hectol. of oil, and 1,451 hectol. livers at the corresponding date of last year. The poor results at Finnmarken, however, have had no visible effect on the market for medicinal oil, and business continues almost at a standstill.

ports from Norway up to May 15 amount to 13,781 tons. For prompt shipment finest Lofoten is offered on agents at 330s. per barrel c.i.f.

SULPHATE.—In spite of another sharp advance in copper, the demand for sulphate is quite idle. Sellers maintain their terms at about 48l. per ton for Liverpool, less 5 per cent. for casks. High working as opposed to concessions.

SEED.—Owing to large arrivals, and the increase of demand, the quotation of 20s. to 21s. per cwt. of Morocco is nominal.

TARTAR.—Tartar is easier, with spot sellers of 99 to 100 per cent. powder at 290s. per cwt., less the usual discount.

SEED.—Seed is fairly steady at 42s. 6d. to 45s. per cwt. fair to good sifted Morocco, but no business is doing.

SEED.—Seed is firm at 16s. to 17s. per cwt., according to quality.

PRODUCTS.—Products continue quiet and lower, Chinese liquid containing 2 per cent. boric acid offering at 80s. on the spot, and June-August shipment is 77s. 6d. Dried native whole is 1s. per lb. on the spot, whole egg 2s., and dried yolk 9d. per lb. Prime French is 4s. 9d. spot, and June-August shipment 5s. 6d. c.i.f.

SALES.—Small sales of Russian have been made at 6s. per lb. on the spot.

SEED.—Seed is steady, with spot sales of No. 1 Japanese at 28s. per cwt., and afloat at 30s. 6d. c.i.f.; sweet on 28s.

SEED.—Seed is steady at 34s. per cwt. for East Indian. SEED is steady at 10s. 6d. to 11s. per cwt. ordinary to good Morocco, with a fair trade doing.

SEED.—Seed is easier, 40 per cent. by volume offering 40s. per cwt. in casks on the spot.

SEED.—There is now an over-supply on the spot, and prices are anticipated. Persian blue offer at 150s. on the spot, and 135s. per cwt. Privately Chinese plumed are quoted at 190s., and afloat at 180s. c.i.f.; at 180s. and afloat at 170s. c.i.f.

SEED.—Seed is quiet, with fair Sudan block offering 8s. 7d. per cwt., and cleaned at 77s. 6d.

SEED.—A moderate amount of trading is being chiefly on home account in near positions, and the spot has been shaded just lately on a rather supply, but crushers are not eager sellers. Seed continues at a high level, which is apparently one of the chief sustaining factors. Spot (London) price on Wednesday at 94s. naked, and Hull at 89s. 6d.

SEED.—Seed is cheaper, good Sicilian block offering 25s. per cwt. on the spot.

SEED.—Seed continues quiet, spot sellers quoting Kobayashi at 50s. to 51s. and Yazawa at 48s. to 49s.

SEED.—Seed is slow of sale at from 4s. 9d. to 5s. 6d. on the spot.

SEED.—Seed continues unchanged, London still being cheaper than Turkish markets, where Japan is still a buyer. Sales have been made at 20s. per lb. on the spot 12 per cent.

SEED.—May 15.—The sales this week amount to 63 cases of 107 piasters to 1,100 piasters per oke for extra-selected qualities; these piaster prices represent a drop of 75 piasters per oke from last week's figures, but the exchange has not changed owing to a heavy drop in exchange. Above figures therefore represent fully 6d. 21s. per lb. c.i.f. To-day's exchange is 410 piasters per pound sterling and \$0.94 for one Turkish piaster. The arrivals are 1,650 cases, against 375 cases in the same date last year.

The "Peking and Tientsin Times" has published a special illustrated supplement dealing with the opium and traffic in China.

SEED.—Seed is easier, crystals or powder offering at 10s. per lb. ex wharf London.

SEED.—Seed is firmer at from 7s. to 7s. 6d. per cwt. quantity.

SEED.—Seed is from 3d. to 6d. per lb. easier, importers

offering at 6s. 6d. to 7s. on the spot, and at 6s. c.i.f. to arrive.

PEPPER.—Pepper is steady, with spot sales of fair black Singapore at 7d. per lb.; to arrive, May-July, June-August, and August-October have been sold at 6½d. c.i.f. Lampong on spot is 7d., Tellicherry is 8½d., and Alleppy 7½d. per lb. spot. White pepper continues dull, fair Muntok having been sold at 1s. 0½d. spot and August-October at 1s. c.i.f.; Singapore is easier at 1s. spot.

PHENACETIN.—Phenacetin is easier at from 17s. 6d. to 18s. per lb. for spot supplies.

PHENAZONE.—Phenazone is about 1s. per lb. cheaper, importers quoting 25s. to 26s. per lb. as to quantity.

PILOCARPINE.—Pilocarpine is dearer, with hydrochloride offering at 41s. per oz. and nitrate at 36s. per oz.

PIMENTO.—Pimento is quiet, with spot sellers at 5½d. per lb.

QUICKSILVER.—There were sellers of Italian on Wednesday at 18l. per bottle, and a few buyers at 17l. 10s., while leading importers were still asking 20l. for Spanish. To-day (Thursday) as we close for press there appears to be a speculative shortage and a little scramble to cover has ensued, with the result that second-hand sellers quickly disappeared. Business has been done up to 19l., the latest quotation being 19l. to 19l. 10s.

QUININE.—A report is current that the price of Dutch quinine sulphate has been reduced by 11d. per oz. to 3s. 6d. per oz., which would mean a decline of 11d. on the previous price, but no official confirmation is yet obtainable.

RESORCIN.—Resorcin is about 3s. per lb. lower, B.P. quality offering at 27s., and to arrive at 26s. per lb. c.i.f.

SALICYLATES.—Salicylic acid is easier, B.P. powder offering at from 3s. 4d. to 3s. 6d. per lb. Sodium salicylate is unchanged at from 4s. 3d. to 5s. per lb.

SALOL.—Salol is lower, crystals offering at from 6s. to 6s. 3d. per lb. on the spot.

SHELLAC.—Shellac has been quiet, with spot prices slightly easier for usual standard TN Orange quality, which has been selling at 585s. to 590s. per cwt.; cakey AC Garnet is 570s., free 600s. and IG 520s. The sales for delivery include August at 540s. to 565s. and October at 510s. to 490s. to 525s.

SPARTEINE SULPHATE.—Sparteine sulphate is dearer, makers offering at 11s. per oz.

SQUILL.—Arrivals appear to have fallen off recently and prices are firmer. Good white are quoted at 65s., fair white at 55s., medium at 50s., and good ordinary at 47s. 6d. per cwt.

TARTARIC ACID.—Last week's firmer tendency is maintained at from 4s. to 4s. 1d., less 5 per cent. for powder and 4s. 2d. for crystals.

THEOBROMINE.—Theobromine is easier, the pure alkaloid offering at 45s. to 46s. per lb.; sodium salicylate is unchanged at 30s.

TURPENTINE.—American news, having regard to the progress of the new crop, seems quite satisfactory, and the time is perhaps not far off when a more substantial adjustment of the price in near position will take place while the London stocks have been somewhat on the increase lately. Obviously the trade demand for early delivery is strictly from hand to mouth. Thanks to improved weather in America an increased yield of the gum has been secured and liberal supplies of new spirit have been reported in the South. The recent decline at Savannah was due to the relieving of the tightness situation in the East, while considerable quantities were unloaded from waiting vessels. Urgent demands upon distributing centres were thus satisfied more adequately. The movement of naval stores from the South has certainly improved. Stocks there have thus been at least temporarily reduced. Spot (London) price of American closed about 15s. per cwt. lower on the week at 175s.

VANILLIN.—Vanillin is easier, with spot sellers at about 77s. per lb.

WAX, VEGETABLE.—Carnauba is easier on the spot, fatty grey offering at 270s. per cwt. Japanese is slightly firmer on the spot, with sellers at 109s., and forward shipment is 105s. c.i.f.

WOOD OIL.—Chinese has declined about 3s. per cwt. to 152s. for best Hankow, and for Hong Kong 120s. is quoted.

London Drug-auctions.

London Commercial Sale Rooms,
Mincing Lane, E.C. 3, June 3.

A SLIGHTLY larger quantity of drugs was disposed of than at the two previous auctions, but buying was largely hand to mouth, and it cannot be said that there was any decided improvement, the only bright spots being the demand for honey and sarsaparilla. Cape aloes was quite neglected, buyers objecting to pay present high prices. Benzoin sold rather more freely at slightly easier prices for Sumatra and Palembang. Balsam tolu is 6d. cheaper. Cardamoms are quite neglected and tend easier. Calumba continues depressed, with too heavy stocks. Lump dragon's blood has eased slightly, also gamboge, but there were no public sales. Cassia fistula was rather dearer, if anything. Honey met with a fair demand, considering the dull state of trade, and prices were "full up" to rather dearer. Matto Grosso ipecacuanha was 1s. per lb. cheaper for sound, and damaged sold cheaply. Kola was quite neglected. Myrrh sold at firm rates; orange peel was slightly easier under forced sales; olibanum maintains its previous price. Rhubarb was cheaper for rough high-dried without reserve. Sarsaparilla was practically the only drug which met a good demand; genuine grey Jamaica was 2d. dearer. Lima and native being firm. Senna failed to sell, and there was no demand for bees'-wax.

	Offered	Sold		Offered	Sold
Agaric ...	...	...	Ginger (Coch.) ...	...	...
Ajowan-seed ...	48 ... 0		Guaiacum ...	30 ... 10	
Alkanet-root ...	8 ... 0		Guarana ...	3 ... 0	
Almonds, bitter ...	32 ... 0		Gum acacia ...	3 ... 3	
Aloes—			Gum thus ...	5 ... 0	
Cape ...	(cs.) 100 ... 10		Hennbane ...	8 ... 0	
Ammoniacum ...	7 ... 2		Henna-leaves ...	82 ... 0	
Anise, star ...	(cs.) 160 ... 0		Honey—		
Annatto-seed ...	82 ... 0		Australian ...	121 ... 54	
Areca ...	120 ... 0		Californian ...	140 ... 10	
Argol (Cape) ...	21 ... 0		Cuban ...	101 ... 4	
Asafetida ...	(tins) 4 ... 4		Hayti ...	19 ... 13	
Balsam peru ...	6 ... 0		Honolulu ...	57 ... 57	
Balsam tolu ...	16 ... 0		Jamaica ...	185 ... 70	
Benzoin—			New Zealand ...	119 ... 99	
Palembang ...	57 ... 5		San Domingo ...	124 ... 24	
Siam ...	25 ... 0		Trinidad ...	7 ... 7	
Sumatra ...	226 ... 52		Insect powder ...	3 ... 0	
Black-haw ...	10 ... 0		Ipecacuanha—		
Bois-de-rose oil ...	1 ... 0		Cartagena ...	4 ... 0	
Burdock-root ...	30 ... 0		Matto Grosso ...	45 ... 11	
Calumba ...	1560 ... 0		Minas ...	3 ... 0	
Camphor (Ch. cr.) ...	50 ... 0		Jalap ...	10 ... 0	
Canary seed ...	25 ... 0		Juniper-berries ...	50 ... 0	
Cannab. ind. (B'bay tops) ...	2 ... 0		Kamala ...	1 ... 0	
Cardamoms ...	892 ... 8		Kava-kava ...	5 ... 0	
Cascara sagrada ...	200 ... 0		Kola ...	268 ... 1	
Cascarilla ...	10 ... 0		Lavender-flowers ...	25 ... 0	
Cashew-nuts ...	174 ... 52		Lime-juice ...	25 ... 0	
Cassia fistula ...	15 ... 15		Liquorice-juice ...	25 ... 0	
Cassia oil ...	5 ... 0		Liquorice-root ...	69 ... 0	
Castor-seed ...	65 ... 0		Mint herb ...	3 ... 0	
Cevadilla-seed ...	50 ... 0		Musk-seed ...	1 ... 0	
Chamomiles ...	69 ... 0		Myrrh ...	102 ... 17	
Chaulmoogra oil (cs.) ...	5 ... 15		Nux vomica ...	48 ... 0	
Cinchona (Java) ...	16 ... 5		Olibanum ...	478 ... 10	
(Loxa) ...	35 ... 0		Orange oil ...	15 ... 0	
Cinnamon-bark ...	150 ... 0		Orange-peel ...	71 ... 15	
Cinnamon-leaf oil ...	15 ... 0		Orris (log.) ...	28 ... 0	
Coca-leaves ...	149 ... 0		Parsley-seed ...	20 ... 0	
Cocculus ind. ...	23 ... 0		Pepperculi-leaves ...	51 ... 0	
Condurango ...	18 ... 0		Patchouli oil ...	15 ... 0	
Croton-seed ...	50 ... 0		Quillaia ...	23 ... 0	
Culvers-root ...	50 ... 0		Rhubarb (Ch.) ...	77 ... 20	
Cumin-seed ...	23 ... 0		Rosemary ...	13 ... 0	
Cutch ...	25 ... 0		Saccharin ...	400 ... 0	
Outlefish-bone ...	143 ... 0		Sal ammoniac ...	3 ... 0	
Darciana ...	10 ... 0		Salep ...	4 ... 0	
Dill seed ...	88 ... 0		Sarsaparilla—		
Dragon's blood ...	42 ... 0		Grey Jamaica ...	25 ... 17	
Egg, dried, whole ...	3 ... 0		Lima ...	18 ... 17	
Egg yolk ...	3 ... 0		Mexican ...	5 ... 0	
Elecampane ...	26 ... 0		Native Jam. ...	8 ... 7	
Elemi ...	(cs.) 58 ... 0		Scopolia ...	66 ... 0	
Eucalyptus oil ...	34 ... 0		Senna and pods—		
Euphorbia ...	32 ... 0		Alex. ...	63 ... 10	
Fennel-seed ...	93 ... 0		Tinnevely ...	289 ... 16	
Galangal ...	56 ... 0		Shellac ...	8 ... 0	
Galbanum ...	10 ... 0		Simaruba ...	10 ... 0	
Galls ...	202 ... 9		Squills ...	50 ... 0	
Gamboge ...	47 ... 0		Strophanthus ...	54 ... 0	
Gentian ...	36 ... 15		Sulphur-flowers ...	120 ... 0	

* Sold privately.

	Offered	Sold
Tamarinds—		
East Indian ...	140 ... 0	
West Indian ...	25 ... 0	
Tonka-beans ...	2 ... 2	
Tragacanth ...	5 ... 0	
Turmeric ...	833 ... 0	
Vermilion ...	5 ... 0	
Wax (bees)—		
Abyssinian ...	100 ... 0	

	Offered	Sold
Wax (bees)—		
East African ...	78 ... 0	
East Indian ...	63 ... 0	
Jamaica ...	3 ... 0	
Madagascar ...	58 ... 0	
Mozambique ...	58 ... 0	
Port. E. African ...	58 ... 0	
Zanzibar ...	57 ... 0	
Witch-hazel-bark ...	5 ... 0	

ALKANET-ROOT.—A lot of eight bales was lot 6s. per lb.

ALOES.—There was practically no demand, being bought in; for good hard bright Cape aloes was wanted, and 80s. for fair seconds, partly drossy. Ten cases, including good seconds, sold at 79s., and dullish and slightly soft went at 6s. cwt.

AMMONIACUM.—Two cases fair yellowish dr blocky, sold at 9s. per lb., at which sales have been privately.

ANISE, STAR.—Ten cases Chinese, apparently mouldy, were offered at 170s. per cwt.

BALSAM TOLU.—For 16 cases fair soft 7s. per lb. asked.

BENZONIN sold rather more freely at slightly ear The sales included eight cases good Sumatra sec, packed with small almonds, at 10l. 10s., and 14 sec seconds at 9l. 10s. to 9l. 7s. 6d. Of ordinary this cases sold at 6l. 10s., subject, being slightly over limit; 26 cases of old country cuts, various mts, at from 6l. down to 3l. 2s. 6d. per cwt. without reserve. Of Palembang five cases good seconds had been privately; 7l. is wanted for this description. There was a fair assortment on offer, including good yellow almonds, partly blocky, at 37l. 10s. to 16l. and good pea and bean size, partly blocky, at 5l. 10s. per cwt., but there was no public business.

BURDOCK-ROOT.—A lot of thirty bags cut 5s. at 65s. per cwt.

CANNABIS INDICA.—For two cases fair Bony 35s. per lb. was asked.

CARDAMOMS were quite neglected; there being no demand even for fine pale Ceylon-Mysore quali which usually sells at auction; 7s. 9d. was wanted for this description. Two cases of extra bold pale Ind sold at 4s. subject. Five cases of seed sold at 2s. 6d. per lb.

CASHEW NUTS.—Two parcels of 44 cases and bags sold without reserve for account of whom it may concern at from 7s. 6d. to 8s. 6d. per cwt. for very white; further 122 cases of husky offered, for which 55s. to 110s. was wanted.

CASSIA FISTULA sold at very firm prices, 15 casks selling at 186s. to 187s. per cwt. for fair Dominica and at 180s. for ordinary dry part wormy and rly.

CUBEBS.—A lot of 50 bags fair were limited at 10s. per cwt.

GENTIAN.—Fifteen bales part chumpy French sold at 60s. per cwt.

GUAIACUM.—Steady, six cases of good glassy 1 lb. sold at 6s. 6d. per lb.; fair glassy was held at 5s. 5s. 6d., and common drossy down to 2s. 3d. per lb. Four bags of inferior drossy sold at 1s. per lb.

HONEY was in fair demand considering the depressed state of trade, and prices were "full up" to various except in the case of good set in barrels, which was 10s. dearer. Both prior to and after the sale business was done at brokers' limits, including 99 cases of Java land, 13 cases Honolulu, and 21 barrels San Domingo. The following sold in auction: Jamaica (70 barrels), including white set 100s. to 105s., and pale set 90s. Liquid amber to light biscuit setting was taken out at from 80s. to 90s. pale to liquid amber setting, partly fermenting old at 62s. 6d. to 70s.; Hayti (13 barrels sold), white, sugar, 100s.; pale set, 85s.; liquid amber, 70s.; California (140 cases sold), mixed pale to white set, 90s.; white lemon set, 95s.; Honolulu (57 cases sold), white to sugar, flavoured, 70s.; Australian (64 sold), pale to amber liquid, 70s.; Trinidad (seven casks), pale white set, 101s.

CACNHA.—Easier. The demand was filled by the sale of sea- and water-damaged Matto Grosso, which, comprising good stout, slightly sea-damaged, 17s. 6d.; reddish, slightly damaged, 16s. 9d.; damaged, 16s. to 16s. 6d.; and badly damaged, 15s. of sound Matto Grosso, two bales sold at 21s. 6d. of stout, being 1s. per lb. cheaper. Minas (three) were held at 20s.

ADEN.—Firm. Two bags of good fair Aden partly sold at 16l. per cwt., and for fifteen bags of all bright Somali sorts of good flavour 15l. per cwt. paid.

PEAS.—Ten cases of good bold clean pea-size sifted at 118s. per cwt., subject to sellers' approval. It was held at 130s., garblings at 80s., and screenings at 105s., at which private sales have been made.

PEEL. was slightly easier, fifteen cases of fair Maltese strip selling at from 1s. 0½d. to 1s. 1d.

SHENSI. was lower for rough round native High-dried, 14s. for which sold without reserve at from 14s. to 5s. per lb. for medium to bold, with all common greyish fracture. Under usual conditions good round and flat Shensi pickings at 10s., subject, to 10s. 6d. per lb. For the best medium to bold round Shensi with three-quarters fracture, the price is 12s. per lb. Four cases of bold flat High-dried, with three-quarters fracture, had been sold at 11s. 205 cases have been sold on Shanghai this week.

SHENSI.—In the drug auction 400 lb. 550 pure were retired at 20s. per lb. in bond.

SHENSI. was in good demand. Genuine grey opened 2d. per lb. dearer, 13 bales realising 17d. for both fair and good fibrous; a further four bales of interest sold at 3s. 10d. for common, part of which mouldy to bad mouldy. Of Lima-Jamaica 17 bales sold at from 3s. 3d. to 3s. 5d. for fair to good, and 3d. for inferior and very chumpy, these prices for five bales Mexican were bought in at 3s. 6d. of native yellow Jamaica realised 2s. 11d., and for fair red press-packed 3s. 1d. was paid.

SHENSI. was extremely quiet, only five bales Tinnevely sold, comprising three bales fair greenish first class named at 10d. subject, and middling at 6½d. per lb. The badly sea-damaged pods sold at 1d., fair to good were held in quantity at 4½d., and ten bales of Alexandrian pods sold at 1s. 4d. per lb.

SHENSI.—For 49 casks fair black Calcutta 35s. per cask wanted.

SHENSI.—For five cases Chinese ("Wingkat") 6d. per lb. was wanted.

SHENSI.—Quiet. Three packages Jamaica sold at 11s. 7s. 6d. to 11l. 10s. for fair red and brown.

Essential Oils Market.

During the week have confined their activities to immediate requirements to judge from reports, or two exceptions no developments have been prices remain fairly steady. A good demand for has been in evidence, and prices all round are firmer. Lemongrass, palmarosa, and Paraguayan petitgrain.

Lemongrass and juniper-berry oil are inclined to be easier. Star continues quiet, the spot value of "Red" being 4s. 4½d. per lb.

Low of sale, and the price quoted for spot remains at from 30s. to 31s. per lb.

Bergamot is unchanged at the source, quotations remain in the neighbourhood of 38s. to 41s. 6d. per lb. for 37 to 41. Inquiries for spot lots are slow, and 36s. to 38s. per lb. about the price. The exports of oil of bergamot from July to May 1919 inclusive) were greater than the corresponding periods of 1917 and 1918. The total amount to 77,088, with an estimated value of 5,781,000 lire. Of this total France took 38,058 kilos., United States 15,432 kilos., and United Kingdom 14,878

ROSE (FEMELLE) is unchanged on spot at 52s. 6d. per lb.; cheaper holders appear to be sold out.

SHENSI is easier, 80 to 85 per cent. e.a. offering at

9s. per lb. on the spot, and for shipment 7s. 8d. c.i.f. is quoted.

CEDARWOOD is quoted at 3s. 8d. to 3s. 9d. per lb.

CINNAMON (LEAF) is quoted at 11d. to 1s. per oz. for spot; to arrive at 11d. In the drug-auction 15 cases Ceylon leaf were held at 11d. per oz.

CITRONELLA has advanced in price, and a good spot demand has been noticed this week at from 3s. 6d. to 3s. 10d. per lb. for Ceylon. A pure Ceylon is offered at 3s. 9d. to 4s., according to quantity. Java is quoted at 5s. 9d. to 6s. 1d. per lb., and forward offers are higher.

CLOVE.—English distillers offer at 18s. per lb.

GERANIUM.—Bourbon and Algerian oils are in limited supply on spot at 40s. to 42s. 6d. per lb. Our Paris correspondent states that a start is shortly to be made on the new crops of Algerian, and contracts have already been made at 250 fr. to 260 fr. per kilo. There are a few parcels of Bourbon afloat or to arrive, which are being offered at 280 fr. per kilo.

GINGERGRASS.—The demand has caused a firmer tendency in prices for spot, which is quoted variously at 20s. to 21s. per lb. for the "insoluble." Inquiries at the source seem to show that stocks are practically exhausted.

JUNIPER-BERRY.—Demand is very light, and B.P. qualities are obtainable at from 18s. to 20s. per lb. A product with s.g. 849 is offered on spot at 15s.

LAVERDER.—A report from the South of France states that stocks are exhausted, and for the few kilos. remaining 210 fr. to 215 fr. are asked for 45 per cent. ester. On spot there appears to be few holders of high ester-value oil. For 36 to 37 per cent. 42s. per lb. is quoted; 28 per cent. is offered at 36s.

LEMON is unchanged on spot, from 8s. 6d. to 9s. 6d. per lb. being quoted, and 8s. 6d. c.i.f.

LEMONGRASS on spot is slow of sale, with holders offering at 1s. 2d. per oz.

LIME.—The spot quotation varies from 27s. 6d. to 30s. per lb. for hand-pressed. For distilled 7s. 9d. per lb. and upwards is mentioned.

LINALOE.—During April 22 cases of linaloe oil were shipped from Mexico to United States, and 10 cases to Europe. Finest quality was sold at 23 pence per kilo. Considerable arrivals have taken place at London during May, and good quality is freely offered at 35s. to 38s. per lb. It is stated that there is at present on the market parcels of doubtful quality, and discrimination on the part of buyers is essential.

MINT OIL has been quiet. Sellers of Japanese demethylised were offering at 10s. to 10s. 3d. per lb. for Kobayashi-Suzuki early in the week, but later business was done at 10s. 6d. per lb.

MUSTARD.—B.P. is unchanged from last quotation at 70s. to 75s. per lb. for spot, and c.i.f. at 70s. For artificial 35s. to 40s. per lb. is mentioned.

NEROLI.—A report from the South of France will be found on p. 90.

NUTMEG is quoted at 12s. to 13s. per lb. for spot lots, according to holder.

ORANGE.—The position is unchanged, and sweet Calabrian is in the neighbourhood of 55s. per lb. for spot. West Indian is offered variously at from 37s. 6d. to 40s. There is little request for bitter from either source, and the price is about 30s. per lb.

PALMAROSA is somewhat firmer on spot, quotations being made at from 26s. 6d. to 27s. 6d. per lb. for good quality.

PEPPERMINT.—American H.G.H. is quoted at from 68s. to 70s. per lb., London terms. In the drug-auction 15 cases American (Columbia brand) were limited at 42s. 6d. per lb.

PETITGRAIN.—Paraguayan is in good demand at 29s. to 33s. per lb. on spot. A Paris report states that some parcels afloat are offered at 200 fr. per kilo. c.i.f. Marseilles. French petitgrain will shortly be distilled, and it is anticipated that from 400 fr. to 500 fr. per kilo. will be asked at the source.

PINE.—An American-distilled product, origin not stated, is quoted at 8s. per lb. in one direction.

SASSAFRAS.—Inquiries have been coming forward this week, and prices mentioned on spot vary from 12s. to 13s. per lb.

VALERIAN is neglected, and the price mentioned for spot is 25s. per lb.

VETIVER.—Bourbon is quoted at 50s. per lb. for spot and 60s. to arrive. A Paris report states that for the new distillation contracts have been placed at 590 fr. to 400 fr., and in some cases 450 fr. per kilo.

WINTERGREEN is in fair supply at 37s. 6d. per lb.

YLANG-YLANG is irregular, according to source and quantity. For good-quality Bourbon from 4s. to 7s. per oz. is mentioned.

Aromatic and Synthetic Chemicals.

It is a difficult matter adequately to give a fair idea of current prices, which may be said to fluctuate daily. Fair quantities of products continue to come forward at intervals, but it is stated that the bulk of the supplies is in fulfilment of orders, and consequently does not come on the market at all. It has been noticed that prices have a tendency to weaken in the presence of actual deliveries, but when these are sold quotations again become firmer. AMYL SALICYLATE is again easier at from 8s. to 10s. 6d. per lb., according to holder. ACETEPINE also is a trifle lower at from 38s. to 40s. per lb. BENZALDEHYDE f.f.c. is not plentiful on spot, but 8s. per lb. is quoted, and 6s. 6d. for a product containing traces. BENZYL ALCOHOL is unchanged at 12s. per lb., and BENZYL ACETATE at 10s. to 12s. for spot. BENZYL BENZOATE is offered at 13s. to 15s. per lb. for spot, according to quantity and source. BROMISTYROL shows considerable irregularity on spot at 35s. to 43s. per lb. CINNAMIC ALCOHOL is in short supply about 110s. per lb. Spot supplies of CITRAL at 35s. per lb. are available. For CITRONELLOL 80s. to 85s. per lb. is mentioned. COUMARIN is quoted variously at 36s. to 37s. per lb. on spot; forward at 40s., and even 42s. is mentioned for good French quality. EUGENOL is irregular at 23s. to 35s. per lb., due to high prices paid for raw material. Spot supplies of GERANIOL (palmarosa) are offered at 40s. per lb. in one direction. HELIOTROPIN is quoted at from 32s. to 35s. per lb., according to origin and seller. IONONE is still difficult to find, and high prices are quoted for prompt shipment. METHYLANTHRANILATE is lower on spot at 38s. to 42s. 6d. MUSK AMBRETTE for forward shipment is quoted at the lower price of 310s. per lb. in one direction, and KETONE is offered on spot at 43s. to 45s., to arrive at 50s. NEROLIN is unchanged at 12s. per lb. PHENYL ETHYL ACETATE is quoted at 45s. per lb., PHENYL ACETIC ALCOHOL is in the neighbourhood of 110s., and spot offers of PHENYL ACETIC ALDEHYDE are made at about 115s. per lb., but the last-named is difficult to find. RHODINOL on spot varies from 85s. to 95s., according to source and seller. SAFROL is quoted at from 6s. 3d. to 6s. 6d. per lb. TERPINEOL is unchanged at 6s. 6d. to 7s. 6d. per lb. Among the arrivals this week the following are included: Bromistrol, 257l.; citral (Holl.), 230l.; geraniol (Holl.), 400l.; geraniol formate (Holl.), 23l.; heliotropin, 180l.; safrol, (U.S.) 627l., (Jp.) 3,500l.; terpineol (Fr.), 154l.

South of France Flower Crops.

The recent forecast given in these columns (*C. & D.*, May 8, p. 73) with regard to the price of neroli oil is in the main confirmed by a report which has just come to hand from the South of France, and even higher prices than those mentioned in the article referred to (4,500fr. to 5,500fr. per kilo.) are quoted. Our report states that the harvesting and distilling of orange-flowers were completed during the last days of May. This indicates that the crop was a short one, as distillation is generally continued from the end of April or beginning of May until June. Owing to the mild winter some manufacturers actually started to distil small quantities of flowers in February, but the output was not large. The average yield of neroli oil per kilo. of flowers distilled in May usually varies from half to one gram, but in June, provided hot weather prevails, the yield may reach $\frac{1}{2}$ gram. The distillate from this year's crop was low. A co-operative society of growers has distilled about 400,000 kilos. of flowers with an output not exceeding 1 gram per kilo. There is a purchaser on the market for 300 kilos. of oil in one lot, so it is unlikely that prices will decline, especially as the remainder can be disposed of very easily. The present quotation for genuine neroli oil is given at 5,500fr. to 6,000fr. per kilo. With regard to flower crops generally, the outlook for the next harvest is unfavourable, and the yield will be less than was anticipated. For *Violet* flowers up to 25fr. per kilo. has been paid—an unheard-of price up till now; and in San Remo, also, violets have been fetching very high prices. *Jonquil*.—This spring the crop has been practically non-existent. *Rose* flowers have been sold about 840fr. per kilo., so concentrated pomades are likely also to reach a very high figure. A strike which threatened to have serious effects on the industry has, happily, failed, and work has everywhere been resumed.

German Drug and Chemical Markets.

The market report of a leading Hamburg wholesale druggouse for the end of May prefaces its quotations with the remark that the decline in sales and the consequent reduction in prices have continued during the past weeks. This is attributable to the fact that in consequence of the enormous increase in the cost of living, clothing, heating, lighting, taxation, travelling, etc., the single individual confines his purchases only to absolute necessities, and has lost

interest in other matters. Arising out of this state of affairs, industrial undertakings, wholesalers and also retailers, are reluctant to engage in any enterprise, and, in conjunction with the forced selling out by over-stated dealers, has led to considerable reductions in price in practically every branch of trade. Since the depreciation of the mark coincided with a rapid rise in prices it would appear justified to expect a reduction in prices at the moment as the value of the mark appreciates. Everybody is interested in the future development of the German currency. However, to prevent a violent reaction, it is a logical necessity that the scale of wages should follow and adapt themselves to the new conditions. Unfortunately there are no signs in this direction, and an improvement in the value of the mark, coupled with a fall in prices, would continue in the increase of wages at the old rate and deprive Germany of the capacity of competing in the world market. Prices quoted in marks per kilo.

ACETANILIDE.—Large supplies are available, and at no time now obtainable far below its cost price.

ACETIC ACID (80 per cent.).—Considerable transactions have taken place at the reduced price of m.14.50.

AMMONIUM BROMIDE, in spite of its scarcity, has declined to m.80.

ANTIPYRIN, although scarce, is obtainable at m.500.

ASPIRIN, genuine, is comparatively difficult to obtain, whereas acetylsalicylic acid is available in larger amounts, and at m.140 stands below factory quotation.

BENZALDEHYDE, almost free from chlorine, has declined to m.160.

BISMUTH SUBNITRATE is cheaper at m.475 and bismuth subgallate at m.450; both are obtainable only in small amounts.

CAFFEINE (PURE).—Owing to large demand from abroad, has increased to m.975. Caffeine sodio-benzoate and caffeine sodio-salicylate are in large demand by foreign buyers at m.700. Stocks are getting short.

CAMPHOR (REFINED).—It is advisable to buy at the present price of m.425. Camphor substitute for technical uses has remained at m.50.

CHAMOMILES of first quality are m.26 gross for net; or any at m.20.

CITRIC ACID.—In spite of no supplies from France the price has declined to m.155.

COUMARIN.—In spite of small stock available the price has dropped to m.750.

CREAM OF TARTAR (99/100 per cent.) has further declined to m.55.

GLYCERIN (white, first quality, 28°) is in large demand at m.28.50, as manufacturers do not supply.

GUM ARABIC has fallen to m.23.

HELIOTROPIN is in demand at m.950.

HYDROQUINONE has declined considerably, and is now quoted at m.225.

IODINE PREPARATIONS.—In spite of their scarcity these have declined in price, and are in request at their present quotations: Potassium iodide, m.525; sodium iodide, 550; iodine resublimed, m.700; and iodoform, m.700.

IPECACUANHA (Rio) is in large demand at m.525.

LYCOPodium (genuine) is unfortunately still unobtainable.

MENTHOL has fallen considerably, and is now quoted m.1,400; recryst. is cheap at m.1,500.

MILK-SUGAR is especially difficult to obtain owing to the shortage of milk and coal, and is in constant demand.

PHENACETIN has declined considerably, and transactions have taken place at m.450.

PHENOLPHTHALEIN.—Large amounts have changed hands, and it is obtainable far below manufacturers' price at 160.

POTASSIUM BROMIDE.—Although foreign buyers have purchased large quantities, the price has further declined to m.55.

POTASSIUM PERMANGANATE has remained at m.115, supplies not being plentiful.

POTASSIUM SULPHOGALLICOLATE is m.400, and is difficult to obtain.

PYRAMIDON and pyramidon substitute have both declined considerably.

RESORCIN.—Ph. Germ. V. quality fetches m.500 while ordinary technical quality is difficult to obtain at m.0.

SALICYLIC ACID is cheaper at m.80, at which price it is being extensively purchased.

SALOL has declined to m.200.

SENEGA is readily purchased by Western buyers at 375.

SILVER NITRATE, following the fall in the price of the metal, has dropped to m.950.

SODIUM BENZOATE.—Although supplies from France are scarce the price has dropped to m.80, and in conjunction with benzoic acid has fallen to m.100.

SODIUM BROMIDE has dropped to m.80, in conjunction with the fall in the price of potassium bromide, while supplies are scarce.

SODIUM SALICYLATE has fallen to m.80.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

British Pharmaceutical Conference.

SIR,—The fifty-seventh annual meeting of the British Pharmaceutical Conference will be held at Liverpool from June 19 to July 23 inclusive, under the presidency of Mr. C. A. Hill, B.Sc., F.I.C., and every member of the conference will shortly receive from the local Committee at Liverpool a programme of the various functions which have been arranged. Now that the conference is able to resume its normal activity, it is hoped that there will be a considerable accession of new members, and we shall be very pleased to forward particulars of the conference to any pharmacist who would care to become a member. An invitation to attend the annual general meeting at Liverpool will be extended to those who make early application for membership. All members of the conference are cordially invited to submit to the Executive Committee contributions for the Science Section of the conference, and it will greatly facilitate matters if such contributions are submitted at least seven days before the date of the meeting.

Yours faithfully,

R. BENNETT, 22-30 Graham Street,
City Road, London, N. 1.

H. HAMPSHIRE, University College Hospital,
Lower Street, London, W.C. 1.

Honorary General Secretaries.

Proprietary Articles in Spain.

SIR,—Some short time ago you notified in the *C. & D.* (August 30, 1919, p. 51, and April 3, 1920, p. 85) that a new law had been passed in Spain making it compulsory that the formula and dose of every pharmaceutical preparation should be stated on the package. It will be a great handicap to all exporters to Spain if this law is carried into force, and our agents in Madrid, with whom we have been in correspondence, have suggested that a number of British manufacturers who export goods to Spain should join together in making an application to the Spanish Ministry of Health through the British Ambassador, with the object of having the formula omitted, on the ground that it is greatly against the trade of this country that all the world should know the composition of imported articles. They suggest that the composition and dose should be declared to the Ministry of Health in Spain confidentially, and a number given to be placed on the label as is done in other countries. We do not know if there is any movement on foot with this object in view, and if so, we should be glad to join it; but the importance of the effort being made in this direction is self-evident, and we are to give away formulae that have cost a great deal of money and time to perfect to anyone who cares to make a substitute.

Faithfully yours,

ALFRED BISHOP, LTD.

40 Pelman Street, London, E. 1.

The Council Election.

SIR,—Would you allow me to take this opportunity of thanking all those who kindly recorded their votes in my favour at the recent election, and particularly to express my appreciation of the work so energetically carried out by many of the Associations on my behalf? Although unsuccessful, the results were by no means discouraging, and there would appear to be no reason why East Anglia should not secure representation on another occasion, despite the absence of territorial representation as a statutory condition. Yours faithfully,

SYDNEY F. BODY.

SIR,—I shall be very glad if you will give me a short space to thank those members who gave me their vote at the recent Council election. The fortune of the poll has decided that on this occasion I may not have the honour of serving them, but I appreciate none the less the value of their support, and heartily thank them for it.

Yours faithfully,

J. HARCOTME CUFF.

The Lure of the Orient.

SIR,—I am getting on with my little tour, having visited the United States, Canada, Honolulu, Fiji, New Zealand, Australia, the Philippines, Japan, China, Singapore, etc., etc. I have already, in a previous communication, given you my views concerning America, New Zealand, and Australia; the Orient is altogether, however, quite a different world, with a fascination and charm entirely of its own. I can, even from my too-brief sojourn there, realise, as it is impossible to do without a personal visit, the meaning of "the lure of the East"—it is really wonderful, beyond all description—and were it not for my knowledge of the value of your space I could fill pages; I will, therefore, confine myself to matters of interest to the members of the drug-trade. I have had many most interesting chats with representative men of the craft, and find the universal cry, from one and all, is, "We badly want good, steady, reliable assistants, we are willing to pay them good money, treat them well, and make them happy. Why won't you young fellows come out?" From what I have personally seen, I would, without hesitation, urge them to do so—the money is good, the experience wide, the work not too exacting, the conditions of life pleasant, the social position good, and, last, but, to my mind, by no means least, there are great possibilities. Big things sometimes come one's way, and while, of course, there are opportunities at home, there are infinitely more possibilities and chances in the East—more prizes and less blanks—there is always a sporting chance of excellent positions coming along. I have personally met men this trip who came out as ordinary assistants now receiving salaries as managers that would stagger the stay-at-home assistant and others, who, by devoting themselves to the interests of their chiefs, have become owners of good businesses and wealthy men. I do not mean to say these are everyday occurrences, but I do mean to say that a steady, reliable, capable young fellow, knowing his job and willing to stick to it, would have a far better prospect in the East than at home. Curiously enough, there are not many lady assistants in the Orient—the very few I have met appear quite happy, doing excellent work and much appreciated. I asked one manager, struggling with a depleted staff and his "leave" much overdue, why he did not get out some qualified girls from home. "What is the use?" he said. "Every one would be married within six months." I would, in conclusion, urge young fellows of the right calibre, before commencing business for themselves, to come out; their entire outlook on life would be changed and enlarged, and even if after their three years' engagement they wished to return to the "Old Country," as Great Britain and Ireland are affectionately termed everywhere abroad by the British, they would return bigger, better, more capable, more experienced business men for the trip—I mean what I say, better business men, as well as better chemists. I know no proverb more true than *Experientia docet*.

Faithfully yours,

W. H. SAUNDERS.
(of Liverpool).

Europe Hotel, Singapore.

The Local Associations Executive's Fate.

SIR,—While I thought my explanation of the word "self-contained" in my letter of May 12 (*C. & D.*, May 22, p. 98) would have been sufficient for an understanding, I observe that "Xrayser II." is still puzzled as to why I did not make use of the word "independent," and I believe this is so because he is evidently thinking of a severance of the existing relations between the Local Associations Executive and the Council, whereas I was referring to the L.A.E. itself as a self-contained or independent body.

—I give him his choice of words—and thinking of the futility of setting up a further independent body (an independent trade union of employers), independent of his independent body or my “self-contained” L.A.E. Since “Xrayser II.” now tells me definitely that he himself is not in favour of setting up an independent body “apart from and in addition to” the Local Associations Executive, then it appears as if his views are the same as mine at the finish, and that time and paper have been wasted in quibbling over the use of a word which I am now informed means exactly the same thing as the word he wanted me to use. But when he goes on to say that what he wishes for “is such an association as will supersede the L.A.E. altogether,” then I think he must mean that he does actually hope to see the creation of yet another “independent” body after all, and that he would make his somewhat contradictory statements agree by giving the L.A.E. a fatal dose of HCN at the moment of birth of his new Committee, so that the latter would not be “apart from and in addition to” a Committee which had already breathed its last. In reply to Mr. Fullerton, who reiterates his own lack of knowledge and certainly does not disprove my statement, I must insist that the Pharmaceutical Society—whatever the result of any action in the Chancery Division or elsewhere—could no more act as an employers’ association under the Whitley scheme than he appears able to grasp the impossibility of his own suggestion. And this because the Council of the Society is not confined to representatives elected by district employers’ associations only. But why does not Mr. Fullerton study the Industrial Reports issued by the Ministry of Labour before posing as an authority on the subject?

Yours faithfully,

Codnor.

CLEMENT W. RIDYARD.

Homœopathy.

SIR,—It is with much interest that I have read the notes and letters on homœopathy which have appeared in THE CHEMIST AND DRUGGIST. The impression given is that homœopathy still presents intellectual difficulties which are very real. The chief of these are the law *Similia similibus curantur*, and the action of the small dose. Theories put forward to explain the action of serums and vaccines are suggestively near to the law of homœopathy, and we may well pause before accepting one and disregarding the other. With regard to the action of the small dose, this is perhaps the chief objection to homœopathy, and is certainly the common argument used against it. One can only say that the modern theories of solution, the properties of ions, and the proofs put forward for the curative effects of infinitesimal quantities of radium, are illuminating. This does not entirely explain the action of the small dose, about which the hostile critic is far more concerned than the evidence of the results obtained—an attitude comparable with refusing to acknowledge the uses of electricity because its precise nature is not understood. However, the bald assertion that small doses are useless will not commend itself to the thinking man of to-day. Your correspondent “Cynic,” and others seem to be under the impression that homœopathy is inseparably bound up with infinitesimal doses. The facts are that it is chiefly in certain chronic cases the high dilutions are ordered. The vast bulk of the medicines prescribed by physicians or sold by homœopathic chemists are in the low dilutions. I think that pharmacists need to realise that the homœopathic trade is either worth doing well or leaving alone. The business will eventually pass on to those who understand the subject, and are glad to do it properly, just as in optics. And this explains the statement sometimes heard that the homœopathic trade is a decreasing one—those in intimate contact with it know differently. It is a fact that some of the so-called homœopathics sold to-day are not what they should be. I have examined pilules labelled *nux vomica* 1x with no taste in them beyond that of sugar; *hydrastis* C. 1x with no colour; *chamomilla* 1x with neither taste nor smell of the drug. When made properly, all these qualities are distinctly noticeable. Homœopathic customers are fairly discriminating, and when, for instance, they require *chamomilla*

pilules for an infant a few months old, prefer that they should be of such consistency as to be easily crushed before administering, instead of being as hard as bullets. I was for two years dispenser at a homœopathic hospital with fifty beds and an out-patient department of over 60 per week, and I cannot imagine any man going through the same experience and not being profoundly influenced by the brilliant cures effected there. We had many children both as out- and in-patients. Their cases were particularly gratifying. Skin diseases and women’s complaints also yielded excellent results, and I may say, in connection with these, many had been given up elsewhere as incurable. Pneumonia cases were, without exception, pulled through safely. And while on this point I can speak with some feeling, because last year my mother was down with this complaint. A local doctor was called in, and a trained nurse took charge of the patient. On the fourth day the doctor gently informed me that the case was hopeless, and that I ought to wire relations without delay. This being done, I felt I had a right to act as I thought best. I commenced to give *acetic acid* and *phosphorus* 2 alternately through the night, and *phosphorus* and *arsenicum* during the day, later following with *bryonia* to replace the *arsenicum*. All went well. Of course, a single case like this proves nothing; but a certain nurse went away thoughtful. With regard to “Cynic’s” attitude of mind, which seems akin to having little faith in drugs at all, let him contemplate the state of some countries to-day, where certain drugs and synthetic products are a vital necessity but scarcely obtainable. The interests of the patient, which, after all, are the supreme thing, can only be paramount when rights are the “acid test” of any system. Homœopathy will then take its place as one of the legitimate therapeutic methods.

Yours truly,
P.H.C. (21)

Wages in the Drug-trade.

SIR.—Replies to “Great Underpaid’s” letter (C. D., May 20, p. 78) are awaited with keenest interest by Scottish employé chemists. Even 7*l.* is a very nominal salary to give a qualified chemist in these times, and, unfortunately, there are far too many Great Underpays in pharmacy at present. Why is this? Why do not chemists unite, increase their charges, and pay their employés, qualified and unqualified, a salary in keeping with their responsibilities? In every other branch of trade the workers are paid substantially better than in pharmacy, and the employers pass on the burden to the purchasers, who include chemists. Is it not feasible, then, for chemists to do likewise? Let us have immediately increased charges (these to be a minimum) and increased salaries (also to be a minimum), and where better pay can be procured let us take them, and where employés are worth it by all means let us pay above the minimum. This is the only satisfactory solution for the present unsatisfactory state of the drug-trade, and its adoption would reward employer no less than employé, and end to (in the language of the politician) “maintain the status quo.”

Yours truly,
SCOTUS. (31/)

Calcium Lactate Mixture.

SIR,—Referring to the “Dispensing Note” (C. D., May 29, p. 79) dealing with calcium-lactate mixture, calcium-lactate solution corresponding to half a drachm to the ounce does not always remain clear. I have dispensed as much as a gallon a day in ten-ounce bottles, and, curiously, several would bring them back with a considerable amount of the salt deposited out of the mixture. So disconcerting was this to the patient that the volume was increased to two ounces (less would do, but that was considered a convenient quantity for the patient to measure out for a dose). Calcium lactate varies considerably, and for that reason I preferred to make it extract from the acid and calcium carbonate in quantity of one gallon, one in sixteen in strength; this was done when dispensed, and the patients were happy ever after.

Yours faithfully,
GEORGE R.

Subscribers' Symposium.

interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

find THE CHEMIST AND DRUGGIST a great asset to my business.—H. H. (116/28).

he C. & D. has been a most wonderful assistant in our business. We should not care to be without it.—A. W. (1/5).

have no hesitation in paying the increased subscription for THE CHEMIST AND DRUGGIST, as I consider it is worth the money.—A. E. S. (122/1).

Address Wanted.

Will any subscriber knowing the address of W. Ewart Cler, assistant chemist, communicate with the Editor?

Blackening Show-case Interiors.

Ards (25/5) writes: "I find ordinary black-hat dye, if finished, a suitable preparation for the interior of wall-cases, etc."

Opening Bottles of Acid.

r. A. T. Girdler, New Cross Road, London, S.E., writes in regard to the accident with nitric acid reported in the C. & D., May 29, p. 51: "I have known several accidents occur with acid, nitric, liq. ammon. fort., etc., in wet weather. A similar accident to the one reported occurred to me, but the bottle did not explode; it burst thinseed-meal cap. Since then I have never opened an acid bottle, or, in fact, any other, without first putting a paper, folded double, over the cork or stopper, tapping it, and then letting the vapour escape into the air."

Edmund Burke as Dispenser.

W. E. Wilson, Hawick, writes: I did not think we would claim the eminent statesman and orator as a dispenser. But I came across the following in Peter Burke's Public and Domestic Life of the Right Honourable Edmund Burke (London, 1854), which may interest some of our readers: "He would, in fact, be at all things. As an instance, he bestowed attention to practical medicine and frequently made up prescriptions. Here, however, he went a step too far and once involved himself in very great misery for several hours. Mrs. Burke having been indisposed, the husband undertook to make up a draught ordered by the physician, but unfortunately mistaking one phial for another, gave her laudanum. The error being immediately discovered by examining the other phials, efficacious antidotes were applied and the lady at length recovered, but not until she had undergone much pain and Burke much inexpressible terror and agony."

Legal Queries.

Dispenser (9/3).—PAYMENT FOR INSURANCE MIXTURES.—A similar question was raised in the C. & D., I., 1913, p. 6, and the following reply was given: "The Commission's letter to us (see C. & D. I., 1913, p. 421) answers this. The doctor must supply the person with an insurance prescription, but she cannot be compelled to avail herself of her right should she voluntarily prefer to obtain her medicine in some other way," as by paying for it."

Max (28/5) made a will, some years ago, appointing two executors, both of whom have since died. He wishes to appoint two new executors, and asks whether he can alter his will by substituting their names for those of the original executors. [The will itself must not under any circumstances be altered. "T. H." must effect the change either by executing a new will or by means of a codicil, which must be executed with the same formalities as required in the case of a will. The codicil should, if possible, be written upon the same paper as, and immediately after, the will.]

J. P. (26/5).—There has been no High Court decision as to what is a purchaser "known to the seller" under the Pharmacy Acts. In at least two police-court cases it has been held that intimate knowledge is not implied. The fact that a person has been a customer for some time, or is known by sight, would probably be sufficient justification for sale.

G. O. (22/5) has just received an income-tax form, Schedule D, to fill up, and wishes to know whether it is the form applicable to his case, and how he should deal with it. He is in the employment of an individual proprietor, by whom he is paid a monthly salary. He was in the Army until he was discharged on April 15, 1919, and he asks if this entitles him to exemption. [The form received by "G. O." is the correct one, and the return to be made by him should be on the average of the three years previous to the year of return, that is the three years ending on April 5, 1920. He is not entitled to exemption by reason of his military service, but the Commissioners make the concession of allowing him to take the pay he received while in the Army as his salary for the purpose of working out the average of the three previous years upon which to be assessed for the current year.]

J. E. C. (28/5) ordered a till from the manufacturers three months ago. He paid for the till at the time of ordering, but it has not yet been delivered, and the manufacturers state that it will be another three months before the till can be supplied. "J. E. C." has informed the manufacturers that he no longer wants the till, and has asked them to refund the price. The manufacturers refuse to return the money; can they be compelled to do so? [The manufacturers are under an obligation either to deliver the till or to compensate "J. E. C." for its non-delivery within a reasonable time after the order was accepted. The real question, therefore, is whether the Court would consider that the manufacturers' delay in delivering the till is unreasonable. In our view the till should have been delivered by this time, and we advise "J. E. C." to give the manufacturers a final notice calling upon them to supply the till or to refund its price, failing compliance with which he should take proceedings against them. We assume, of course, that there are no special terms or circumstances which justify the manufacturers in delaying delivery. We do not consider that "J. E. C." would be justified in declining to accept delivery of the till if it is tendered.]

Robbery (1/6) occupies premises, comprising a shop and living-rooms, upon a yearly tenancy, at a rent of 50*l.* a year, paying all rates. He wishes to have a lease of the premises, but his landlord declines to grant one except at a rent of 70*l.* a year. The landlord asserts that when the new Act is passed he will be able to increase the rent immediately by 25 per cent. to 62*l.* 10*s.*, and will be able to obtain possession of the premises, in order to extend his own business next door, upon giving twelve months' notice. Is this the case? [It is obviously impossible to forecast with certainty what will be the position when the Increase of Rent Bill becomes law. If, however, it is passed in its present form the landlord will be entitled to increase the standard rent (i.e., the rent of the premises on August 3, 1914) by 15 per cent. in any event, and by a further 25 per cent. of the standard rent if he is responsible for the whole of the repairs. The latter advance will be reduced if "Robbery" is responsible for part of the repairs, and extinguished if he is entirely responsible for repairs. Assuming that 50*l.* is the standard rent, the landlord will therefore be entitled to increase the rent by 15 per cent. to 57*l.* 10*s.* in any case, and by a further amount, proportionate to the extent of his liability for repairs, not exceeding 25 per cent., making a maximum rent of 70*l.* in the event of "Robbery" being under no express liability for repairs. As regards the landlord's right to possession of the premises, it is very unlikely that the new Act will allow him to eject "Robbery" merely because he wishes to extend his business. "Robbery" would be well advised to engage a solicitor to act for him.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. H. R. (19/4).—**POWDER USED IN ELECTRICAL WELDING.**—This appears to consist chiefly of magnesium oxide mixed with sodium silicate powder; but some potassium is also present, presumably as silicate. It is coloured with a trace of charcoal.

P. H. G. (14/4).—**GREEN OINTMENT.**—We have carefully examined this ointment, with negative result except with regard to the green colouring and the aromatic odour. It yields no ash, gives no reaction for mercury, arsenic, phenols, and other likely ingredients. It is entirely soluble in petroleum ether and other solvents, except that alcohol extracts the green colour, which appears to be chlorophyll. The base contains no saponifiable portion. It consists, therefore, of soft paraffin coloured slightly with chlorophyll and containing a little aromatic, which recalls cubeb.

C. M. (25/5).—**DISPENSERS' SALARIES.**—The rates of wages for dispensers, which we published in the *C. & D.*, May 22, p. 100, were arrived at by taking the average of the figures supplied from a variety of sources. The trade union demands are higher than those quoted, but the rates given are what are actually being paid in recognised institutions. In some institutions they have been agreed upon with the unions; in others, by the individuals with their respective committees. In doctors' dispensaries they are the average of several returns of men and women who have sought and obtained remuneration adequate to the changed economic conditions. We understand that doctors' dispensers are now being organised in order to make the rates mentioned recently more general in application. The term "Qualified" applies to the pharmaceutical qualification. Apothecary's certificate is defined as "assistant dispenser."

A. E. F. (26/5).—**THE PRICE OF THE MIXTURE**, which you say has been dispensed for 1s. 3d., is, according to the London Chemists' Retail Price List, 2s. 6d., including container, set out as follows:

Potass. bicarb. 5ij.	...	...	...	2.0d.
Potass. iodid. gr. 80	...	...	...	7.0d.
Vin. colchici sem. 5iv.	...	...	...	5.0d.
Ether. chlor. 5iss.	...	...	...	2.0d.
Aquam ad 3viij.	...	...	...	1.0d.
Container	...	...	...	4.0d.
Dispensing-fee	...	...	...	9.0d.
				30.0d.

R. H. C. (31/5).—**AGRI-HORTICULTURAL FORMULAS.**—The most complete collection of formulas for agricultural and horticultural preparations is that in *The Chemist and Druggist Diary*, 1910. "Pharmaceutical Formulas" also contains many recipes of the class mentioned.

W. W. N. (26/5).—**HAIR CURLING.**—Preparations for waving and curling the hair appear to depend upon the presence of an alkali, which is generally either potassium carbonate or lime-water. The following is an example from "Pharmaceutical Formulas":

Potassii carbonat.	...	...	5j.
Liq. ammoniæ	...	...	5ss.
Glycerini	...	...	5j.
Spt. rectificat.	...	...	5vi.
Aq. rosæ ad	...	...	3viij.

M.

Foam (25/5).—The cheap form of liquid dry shampoo is probably compounded with industrial spirit. Special permission from the Board of Customs and Excise is required to use the spirit for this purpose, the formula being submitted with the application.

D. & G. (73/19).—**RAT POISON.**—Several forms of rat poisons containing arsenic were given in the *C. & D.* September 27, 1919. The following seems to be the answers your requirements:

Arsenic	...	...	1 part
Powdered biscuit or crushed linseed	...	...	1 part
Oil of anise	...	...	a trace

F. S. T. (18/5).—**REMOVING HENNA-STAIN FROM HAIR.**—We do not think you will be very successful removing henna-dye from the hair because the dye penetrates the hair and becomes oxidised there. Several things might be tried, but your customer will probably hold you responsible if any untoward effect is produced. Frequent washing of the hair with an alkaline shampoo powder would be a safe suggestion.

F. H. H. (16/3).—**SIEBOLD'S TEST FOR ARSENIC GLYCERIN** depends on the action of the gas given by a mixture of glycerin with zinc and diluted by chloric acid upon a cap of paper touched with a solution of mercuric chloride, a yellow spot being the result of the presence of minute traces of arsenic. This test has been superseded by that given in the *British Pharmacopœia*, 1914, Appendix IV., p. 488.

W. B. W. M. (18/5).—(1) **POWDERS FOR CHICKENS.**—The powders for treating gapes are blown into the throat and consist of camphor (1), charcoal (4), and carbolic disinfecting powder. Another method is to place the powder in the coop, place the birds inside, and shake the dust by means of bellows. The subject is dealt with in "Veterinary Counter Practice." (2) The viscosity of the liquid paraffin is the chief factor in its use in machinery. For heavy agricultural machinery a thick oil is needed.

Kalgan (25/2).—(1) **LIQUID DRY SHAMPOO.**—See *C. & D.* 1919, p. 528. (2) **WHITE PINE COUGH SYRUP.**—See *C. & D.* 1919, p. 528. (2) **WHITE PINE COUGH SYRUP.**—See *C. & D.* 1919, p. 528. (2) **WHITE PINE COUGH SYRUP.**—See *C. & D.* 1919, p. 528.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 1, 1870.

The Council Election.

Following an account of the annual meeting is a reference to the well-known protest of Mr. Dickinson regarding the method of counting the votes of the Council candidates.

"The scrutineers were selected at the annual meeting, whose duty it was to examine the voting papers, a process which they reported to an adjourned meeting, which is usually a very formal affair. The plan of conducting the election, as we gather from the report, is this. The sixteen members who undertake the labour are divided into groups of four. One of each four is elected chairman, and he calls out the names from the papers, these being written down by the other three. Mr. Dickinson, whose name appears prominently in the foregoing report, especially in position to the President, was the chairman of one group, and he appears to have carried into execution the strange procedure, omitting the name of Mr. Evans 103 times, and substituting for it that of either Mr. Williams or Mr. Sant. Surmises arose, we presume, in consequence of this singular difference as to the names mentioned which Mr. Dickinson's table showed compared with the rest, and, therefore, at the adjourned meeting a fresh scrutiny was resolved upon, and Messrs. Turquand, Youngs & Co. were employed to conduct it. The result of their examination of the papers made no actual difference in the election of any member of the Council, but it gave Mr. Evans the sixth position on the poll, instead of the tenth, which he occupied before. Mr. Dickinson attended the second meeting of the scrutineers, and there acknowledged that he had purposely misled his fellow scrutineers, and had signed the first report knowing at the time that it was not accurate. The members generally, and particularly the two gentlemen who in our sense had been most benefited by this procedure, expressed the utmost indignation; and as a result, Mr. Dickinson wrote to say that he should tender his resignation as a member of the Society."

NOW ON THE P.A.T.A.

"Condy's Crystals"

(NO POTASH.—ALL-BRITISH).

Being **CONDY'S FLUID**, desiccated.

Condy's Crystals are put up in bottles to retail at 1/3 each (P.A.T.A.).

They are Stocked by all the leading Wholesale Houses.

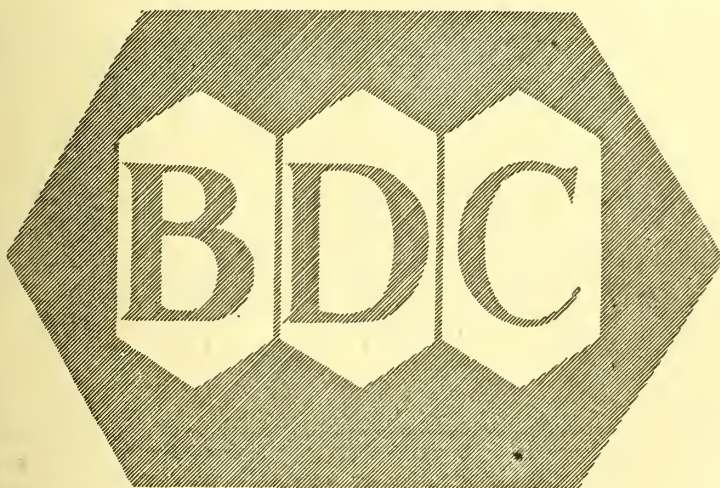
Condy's Crystals are Used at the Front, by Travellers, and by all who would avoid carrying liquids.

Proprietors : **CONDY & MITCHELL, Ltd.,**

Condy's Fluid Works, 65 Goswell Road, London, E.C.

BRITISH DYESTUFFS CORPORATION
LIMITED.

Registered



Trade Mark.

Works :

ELLESMERE PORT, HUDDERSFIELD, MANCHESTER.

Telephone: Avenue 1098 (2 lines)

A. JOHNSON & CO. (LONDON) LIMITED.

Telegrams: "Agenticum, Grace, London"

Spot and Forward Delivery:

Phenazone

Resorcine

Creosote, Pure

Metol

Canada Balsam

Pyrogallic Acid

Tannic Acid, Light

Lactic Acid

Ichthyol Ammon. Subst. Hydroquinone

EUCALYPTUS OIL, B.P. QUALITY, ALL STRENGTHS.

EUCALYPTUS AMYGDALINA. EUCALYPTOL.

AUSTRALIAN SANDALWOOD OIL 70 %.

3, GRACECHURCH ST.,
LONDON, E.C. 3

*Branches: Stockholm, Gothenburg,
Malmö, Copenhagen, Paris, New York.*

PURE AND
RELIABLEPHARMACEUTICAL
PREPARATIONS

"CIBA"

All products of the "CIBA" brand are of the utmost purity and reliability, ensuring uniform results in dispensing.

The following is a list of the Chemicals for which we are specially known, and we invite your inquiries and orders.

BARBITONE.	PHENACETIN.
PARAMIDOPHENOL.	PHENAZONE.
PHENOLPHTHALEIN.	VANILLIN.
GUAIACOL CARB.	PYRAMIDON.
METHYLENE BLUE.	METAGOL.
ICHTHYOL AMMON.	PYRO ACIDS.
DIAMIDOPHENOL.	GLYCIN.
CHLORAL HYDRAS.	ASPIRIN.
POT. SULPHOGUAIACOLAS.	
TANNIN ALBUMINATE, Etc.	

CHEMICALS

Address CHEMICAL Section of

*Sole Concessionaires
for the British Empire*

THE CLAYTON ANILINE COMPANY LTD

(PHARMACEUTICAL DEPT)

68½ Upper Thames Street London E C 4

T. & H. SMITH LTD

MANUFACTURERS

OF

MORPHINE, CODEINE

AND ALL OPIUM PRODUCTS.

GINGERIN

SALICIN
STRYCHNINE
CANTHARIDIN
PODOPHYLLIN

CAFFEINE
EMETINE
CHLOROFORM
JALAP RESIN

ALOID
CAPSICIN
THEOBROMINE
SCAMMONY RESIN

*Blandfield Works,
EDINBURGH.*

*25 Christopher Street,
LONDON, E.C.*

*37 Washington Street,
GLASGOW.*

EPSOM SALTS

Druggist & Commercial Qualities.

ZINC SULPHATE

(White Copperas).

ZINC CHLORIDE

Fused, Granulated and Liquid.

GLAUBER SALTS

PROMPT & FORWARD DELIVERIES
INQUIRIES SOLICITED.

William Blythe & Co., Ltd.

**Chemical Manufacturers,
Church, Lancashire.**

R. LANE HALL

& Co., Ltd.
4 LLOYD'S AVENUE
LONDON, E.C.

STOCKS ON HAND

Benzoic Acid
Benzoate of Soda
Salicylic Acid
Methylene Blue
Medicinal

Geraniol
Musk
Heliotropine
Coumarine
Vanilline

We solicit inquiries for all Fine and
Heavy Chemicals.

Telephone
5183 AVENUE
Cables & Telegrams:
"ERLANALL"
LONDON

*A British Firm with
a British Name.*

Code Used:
ABC, 4th and 5th
EDITIONS,
and A1.

CHOLIC ACID PURISS & SODIUM CHOLATE PURISS

Buyers and potential buyers of the above
are requested to communicate with Messrs.

W. BERK & CO., Ltd., 1 Fenchurch Avenue, London, E.C.3.

FUERST BROS. LTD. WHOLESALE ONLY
Estab. 1884
 for **Chemicals, Oils, &c.**
Produce, Metals, Acids, Flavouring Essences, Colours, Alkalies.
STONEWARE CHEMICAL PLANT AS SUPPLIED TO H.M. GOVT.
 Tel. Add: "Fuerst, Led, London"
 Tel. No: London Wall, 4350 17, PHILPOT LANE, LONDON, E.C.3

**GENUINE BEECHWOOD
CREOSOTE**
 (The well-known Swedish make.) **B.P.**
 Stock in London.

PETRI BROTHERS,
 39 LIME STREET - - LONDON, E.C. 3.

Precipitated Chalk	Epsom Salts
Hypsulphite of Soda	Salts of Tartar
Sulphite of Soda	Alum
Glauber Salts	Sulphite of Lime
Sulphide of Sodium	

E. BRAMWELL & SON
ST. HELENS, LANCs. LTD.
 Telephone - - No. 451

**SULPHATE
OF COPPER**
98/99 % Guaranteed.

McKECHNIE BROS., LTD.
 Inquiries to Sales Office,
26 CHAPEL STREET, LIVERPOOL.
Works—WIDNES.
 Telegrams: "McKerous Liverpool," Telephone No.: Central 6226 Liverpool.

Chlorate of Potash
 Chlorate of Soda
 Chlorate of Baryum
 Perchlorate of Potash
 Perchlorate of Ammonia

Selling Agents: **CHAS. MANGOLD & CO. LONDON**
 9 MINCING LANE, E.C.
**SOCIÉTÉ D'ELECTRO-CHIMIE ET
D'ELECTRO METALLURGIE,**
 2 RUE BLANCHE, PARIS.

WOODS & WEBB,

566/7 MANSION HOUSE CHAMBERS, LONDON, E.C.4.

Importers and Exporters of
CHEMICALS, DRUGS & GENERAL MERCHANDISE.

We hold spot stocks of Pure Photographic Chemicals, including
METOL, HYDROQUINONE & AMIDOL.

We invite offers from manufacturers of specialities and are
prepared to accept Sole Selling Agencies for HOME,
CONTINENTAL and COLONIAL Markets,

Telegrams: "Lyptograph, Cannon, London." Phones: City 5137, & Holborn 4695.

WOOL GREASE

ALL GRADES.

K. MALMBERG,
110 Cannon Street,
LONDON, E.C.4.
AND AT NEW YORK.

Telegraphic Address:
"Obtempero, Cannon, London."

Telephone No.:
City 6321.

FOR
Acids SULPHURIC
 HYDROCHLORIC
Resorcin NITRIC
Mercurials
Cascara Bark
Saccharin
Chloral Hydrate

Ask BERK

F. W. BERK & CO., Ltd
1 FENCHURCH AVENUE, LONDON.
Works—STRATFORD and MORRISTON.
Telephone: 4032 Ave. Telegrams: "Berk, Phone, Lond"

Codes: A B C, 4th & 5th,
Telephone: Hop 333, 334.

Telegrams:
"ANISEED, FRIARS, LOND"

F. W. POWELL, M.P.

85 Blackfriars Road, London, S.E.1.

CHEMICALS

(Pharmaceutical and Technical)
VANILLIN, ASPIRIN, TARTARIC ACID
ACETIC ACID 80 %

BRUNNER, MOND & CO., LIMITED

Crescent



Brand.

ALKALI PRODUCTS.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

**Bicarbonate
of
Soda.**

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

**Concentrated
Crystal
Soda.**

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pre Alkali.
68 Degrees.**

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Carbonate of Ammonia (Lump and Powder).

Retellers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

London Office: 7 Cavendish Square W. I.

L. ROZEN & CO.

36/37 MINCING LANE, LONDON, E.C. 3.

BRANCH OF THE RUSSIAN TRUST & FINANCE CO., LTD. (A BRITISH HOUSE).
Telegrams: "Ocenezorka." Telephones: Avenue 3263/4, 5986, 5440.

MERCHANTS & MANUFACTURERS

All kinds of

- | | |
|--------------------------------|------------------------------|
| (1) Botanicals and Crude Drugs | (5) Fine and Heavy Chemicals |
| (2) Spices | |
| (3) Gums | (6) Soaps |
| (4) Medicinal Seeds | (7) Essential Oils |

Such as

- | | | | | | |
|---|---|---|---|---|---|
| (1) Ergot, Gentian,
Henbane, Henna
Insect Flowers
Licorice, Lycopodium,
Scammony, Senega
Senna, etc. | (2) Cinnamon
Cloves
Nutmegs
Pepper
etc. | (3) Aloes
Arabic
Tragacanth
etc. | (4) Aniseed
Cardamoms
Coriander
Cumin
Fenugreek
Wormseed, etc. | (5) Phenacetin
Saccharine
Santonin
Bicarbonate
Bichromate
Soda Ash, etc. | (7) Anise
Birch Tar
Coriander
Rose
etc. |
|---|---|---|---|---|---|

Representatives and Branches in almost every European country, and in the United States of America,
India, Egypt, China, Japan, and many others.

WE ALWAYS HOLD SUBSTANTIAL STOCKS.

ESTABLISHED 1772

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity, by

Messrs THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.

And is sold in Bottles, authenticated by a stamp bearing their name.

New York: Messrs. SCHIEFFELIN & CO. William Street.

PRICE: 4s. 6d. or 2s. 9d.

Trade Mark, "Henry's Calcined Magnesia."

Paris: Messrs. ROBERTS & CO. 5, Rue de la Paix.

T. M. THAKORE & CO.,

Agents and Importers,

36 Churchgate Street, Fort, Bombay.

CRUDE DRUGS, DRUG SEEDS, OIL SEEDS, DRIED FRUITS
GUMS, MYROBOLANS, CASEIN & ALL INDIAN PRODUCE.

Telegraphic Address: "Badgun Bombay."

Viuda de José Solernu

Diputacion 174, Barcelona, Spain.

Agency & Representative House.

Established in 1875.

Member of the British Chamber of Commerce at Barcelona.

AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND
PHARMACEUTICAL SPECIALITIES.

TARTARIC ACID
CREAM OF TARTAR
CITRIC ACID

J. KHAMBATA & CO.

3 & 4 Ct. Winchester St

LONDON, E.C. 2.



Telephone: London Wall 5385

Telegrams:

Foreign—"Jehangir London."

Inland—"Jehangir, Ave, London"

The leading British Manufacturers of

FINE
RARE
&
REAGENT
CHEMICALS

are

HOPKIN & WILLIAMS, LTD

16 Cross Street,
Hatton Garden,
London, E.C.1.

EST.
1850.

Telephone:
604
Holborn.

Special attention devoted to Chemicals for
Technical & Photographic Industries.

LABORATORIES, ILFORD, Nr. LONDON.

Established 1775.

ALFRED WHITE & SONS, Ltd.*Manufacturing and Export Chemists,*

28-31 ALLEN STREET, GOSWELL ROAD, LONDON, E.C.1.

BISMUTH—Salts.**ETHERS**—all Gravities.**Sp. AMMON. AROM.****CHLOROFORM.****QUININE**—Salts.„ **ETHER NIT.**

TELEPHONE : CLERKENWELL 1315.

TELEGRAMS : "ETHER METHYLATED SMITH LONDON"

British Made

Blanc Fixe, Barium Chloride,
Barium Hydrate, Barium Sulphide,
 Pure Precipitated **Carbonate of Barytes,**
 Pure Sulphate of Alumina, 14/15% and 17/18%
Dry White Precipitate, containing about 70 per cent.
 precipitated Barium Sulphate and about 30 per cent.
 precipitated Carbonate of Lime, for Paints, Colours, &c.
Mineral Carbonate of Barytes.

Agents : **JULIUS HÜLSEN & CO.,** Newcastle-on-Tyne.T.N. : Stratford 776.
Tel. : "Zirconoid, Bochurch, London."**George Young (Chemists) LL.****ARGO WORKS,****SUGAR HOUSE LANE, STRATFORD, E.5.****MANUFACTURERS OF**

AMYL and ETHYL
FORMATES
VALERIANATES.

A. & M. ZIMMERMANN, Ltd.*(Established 1864)***CHEMICALS, DRUGS, OILS
AND ANILINE COLOURS.****ACETANILID****BROMIDES****RESORCIN****ACID BENZOIC****CHLORAL HYDRATE****SODA BENZOAS****ACID GALLIC****HEXAMINE****SODA SALICYLAS****ACID TANNIC****PARALDEHYDE****TERPINHYDRATE****ACID SALICYLIC****PHENAZONE****OLIVE OIL****New Season's Lofoten Cod Liver Oil, spot delivery****Offices and Warehouse :****3 LLOYDS AVENUE, LONDON, E.C.3.**

Telegrams :

"ZIMMERMANN, FEN, LONDON."

Telephone :

AVENUE 2262, 2263, 2264

DUNCAN'S

Modern Products for Progressive Pharmacists

ANAESTHETICS

CAPSULES

ORGANO-
THERAPEUTICAL

TUBERCULINS

VACCINES

All preparations of the

British, American

and

French Phar-

macopoeias

Every
requirement
of
Modern
Pharmacy Supplied

DUNCAN, FLOCKHART & CO., Edinburgh and London.

THE AMERICAN
COMMERCE CO. LTD.
195t. Bride Street, London, E.C.4

We can offer the following German Dyes
at specially low prices —

INIGO KUPE in lumps. 60% M.L. & B.
INIGO KUPE in grains. 60% B.A. & S.F.
FAT LIGHT ORANGE "G" 1262 Bayer
TATASIN 1110 Bayer
NAPHTHALYMININE BLACK S. 10 Badische
BOUDEAUX B. Special Badische
CRYSTALL PONCEAU 6 R.H. 11 Badische
PAITO
RE P.K.
CHINA GREEN
SCRLET

Part spot, part en route in Antwerp.

Telegrams & Cables: "Amcomco London" Phone: Holborn 1640, 1641.

BRITISH Saccharin Tablets

Full Strength, 0.3 gr., 550, Saccharin, in each.

Card Boxes	100's	200's	500's	Per lb.
...	8/-	16/-	40/-	45/-

Aspirin Tablets, gr. v. per 1,000 6/-; per lb., 8/-; in card boxes—
25's, 3/9; 50's, 7/-; 100's, bottles, 14/- doz.; in bottles, 25's, 4/9; 50's, 8/6.

Cascara Tablets, gr. ii, pearl-coated, per 1000, 5/-; in card boxes—
25's, 2/-; 50's, 3/9; 100's 6/9 per doz. In bottles, 25's, 3/-;
50's, 5/-; 100's, 8/6 per doz.

Formalin Tablets, contains 1-gr. Paraformaldehyde, per lb. 3/-; in
screw-cap bottles, 50's, 7/6 per doz.

Bismuthated Magnesia Tablets, per lb. 3/3; in screw-cap bottles, 50's,
8/- per doz.

Pine Tablets, 2/3 per lb.; 2-oz. cartons, 3/9 doz.

Sulphur Tablets with Cream of Tartar, 2/- per lb.

Indigestion Tablets (Heart shape) 2/6 lb.; 2-oz. cartons, 4/9 doz.

Boat-Shape Feeding Bottles, each in box, complete with transparent
teat and valve, 10/- per doz.

Paper, Double Demy, 22½ x 35, 24/- per ream.

" Nature Brown Cap, 18 x 28, 7/- per ream.

Aspirin	P.B. 7/6 lb.	Ol. Olive Cream Sublime	28/- gal.
Acid Tartaric		Paraff. Liq.	P.B. 12/- ..
Pulv. or Xtal. P.B.	4/5 ..	Sodii Salicyl.	P.B. 4/9 ..
Cream of Tartar 99% P.B.	3/- ..	Camomile Flowers	2/- lb.
Acid Citric	P.B. 6/- ..	Senna Pods	10d..
Magnes. Carb. Pond. P.B.	1/3 ..	STICK JUICE 2 oz.	
" Levis P.B.	1/- ..	STICKS, PURE 4/- ..	
Naphthaline Marbles	8d. ..	French Chalk Pulv.	3d. & 4d. ..
Magnes. Calc. Levis P.B.	2/6 ..	Genuine Caraway Seed	10d. ..
Gum Acacia, Powd. Elect.	3/6 lb. Sorts		1/5 and 2/- lb.
" Tragacanth, Powd. Elect.	18/- lb.	Pot. Brom., Howards'	4/9 lb.
Sod. Brom. Howards'	5/- lb.	Ammon. Brom. Howards'	5/- lb.
Bismuth Carb., Howards'	light 18/- lb.	Pot. Iodid., Howards'	18/- lb.

£5 value, exclusive of Saccharin tablets. Carriage Paid.
Cash with order. Postage charged on Saccharin tablets.
Packages Charged.

C. W. HARPER,
254 Stockport Road, Manchester.

Compressed Tablets, Fine & Heavy Chemicals, Druggists' Sundries,
Glass Bottles.

THOMAS MORSON AND SON LTD.

CHLORAL FORMAMIDE
QUININE ETHYL CARB.
(MORSON'S)

OFFICES, **BISMUTH SALTS** WORK,
47, GRAY'S INN ROAD SUMMERFIELD WORKS
LONDON EST. 1821 PONDERS END
W.C.1 MIDDLESEX

PEROXIDE OF HYDROGEN

OF ALL STRENGTHS
AND
FOR ALL PURPOSES

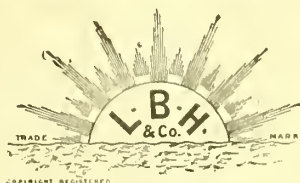
The PUREST and CHEAPEST on the market

B. LAPORTE, Limited,
LUTON (BEDS.)

AND AT BRADFORD

Telegrams: "Laporte Luton."
Telephone: Luton 891

L. B. HOLLIDAY & CO., LTD.



ARE MAKING AND CAN GIVE PROMPT DELIVERIES OF:-

SALICYLIC ACID B.P.
ACETYL-SALICYLIC ACID B.P.
(ASPIRIN)
FARTRAZINE
AURAMINE II.
METHYLENE BLUE, Z.F. CONC.
METHYLENE BLUE (Medicinal Quality).

Finest Quality
Best Appearance
Lowest Price

SEND YOUR INQUIRIES TO:

Sales Department,
HUDDERSFIELD.

Telephone: 1840 HUDDERSFIELD (4 Lines).
Telegrams: "DYEWARES HUDDERSFIELD."

OUR

SPECIALITY for QUALITY and PRICE

CREOSOTE CARB.

Guaranteed U.S.P.

*Large quantities afloat. Apply to us for price,
stating quantities required.*

MALLAGH & CO., 19 ST. DUNSTAN'S HILL, E.C. 3.

Phone: Avenue 896.
" " 897.

Telegrams: "Chemorol, Phone, London."
Cables: "Chemorol, London."

Factories: Great Dover Street, and Blackfriars Road, S.E. 1.

Telephones:
(Head Office),
AVENUE 1729 (3 lines).
(General Chemical Dept.),
AVENUE 6998 (2 lines).

CHAS. PAGE & CO., Ltd., Telegram:
"PAGANIN"
LONDON

**47/51 KING WILLIAM STREET,
LONDON, E.C.4.**

Central 1832
(3 lines).

And at 26 BROWN STREET, MANCHESTER.

"PAGANINI"
MANCHESTER

OFFER AT FIRST HAND:

ACID	BENZOIC	PARALDEHYDE
"	GALLIC	PHENACETINE
"	CITRIC	PHENOLPHTHALEIN
"	SALICYLIC	POTASSIUM PERMANGANATE
"	TANNIC	RESORCIN
"	TARTARIC	SODIUM BENZOATE
BENZO	NAPHTHOL	" CARBONATE
HEXAMINE		" HYPOSULPHITE
HYDROGEN PEROXIDE		" SALICYLATE
METHYLENE BLUE		" SULPHITE
NAPHTHALINE (Marbles and Flakes)		TARTRAZINE
		VANILLIN

WHOLESALE QUANTITIES ONLY.

Victor Blagden & Co.,

4 Lloyd's Avenue, London, E.C.3

Telegrams: "Blagdenite, Fen London."
Telephone: Avenue 6353 (4 lines).

Middlesbro'. Paris. Sydney.

**ACETIC ACID
FORMALDEHYDE
TRIOXYMETHYLENE
NAPHTHALENES
OXALIC ACID
POTASSIUM BROMIDE**

Supplies of every description of Coal Tar,
Ammonia and Cyanogen Products.

Swiss Bank Corporation

Basle, Zurich, St. Gall, Geneva, Lausanne, Le Locle, Neuchâtel, Bienne, Chiasso, Herisau, Le Locle, Nyon.

London Office - 43 LOTHBURY, E.C.2.

West End Branch: 11c REGENT ST., WATERLOO PLACE, S.W.1.

Capital Authorised & Fully Paid-up £4,000,000

Reserves - £1,240,000

Banking and Exchange Business of every description transacted. The Bank will gladly furnish Chemical and Drug trades with all available information regarding Trade and Industry in Foreign Countries.

JOY'S MEDICINAL CAPSULES

Wholesale Manufacturers.

Capsules made to suit all Climates. Worm Cure for Dogs a Speciality.

OWN MATERIAL FILLED IF REQUIRED

Address:

23 WILSON STREET, GLASGOW

JAS. ZIMMERMANN & Co. (Chemicals), Ltd.

9 & 10 ST. MARY-AT-HILL, LONDON, E.C.

Essential Oil Dept. : Manager, Mr. W. V. Guenigault, 33 St. Mary-at-Hill, E.C.

grams : "ACIDOLAN LONDON."

Telephones : Avenue 5933, 5934, 5935, 5936

Entirely British Firm.

Chemicals for all purposes, Drugs, Essential Oils, &c.

STRICTLY WHOLESALE.

METANILIDE	GALLIC ACID	PARALDEHYDE
METIC ACID	GELATINE	PARAMIDOPHENOL
METOSALICYLIC ACID	GLYCERINE	PEPSINE
MEPS LANÆ	GLYCEROPHOSPHATES	PETROLEUM JELLY
MOIN	GUAIACOL ABSOLUTE	PHENACETINE
MIDOPYRIN	GUAIACOL CARBONATE	PHENAZONE
MIDOL	HELIOTROPIN	PHENOLPHTHALEIN
MILINE DYES	HETRALINE	POT. BICARB.
ANTIPYRINE	HEXAMINE	POT. BROMIDE
ASENIC	HYDROKINONE	POT. IODIDE
ENZOIC ACID	HYPOPHOSPHITES	POT. PERMANG.
ENZONAPHTHOL	ICHTHYOL	PRECIPITATED CHALK
ESMUTH SALTS	INSECT POWDER	PROTARGOL
ERACIC ACID	IODIDES	PYRAMIDON
ERAX	IODOFORM	PYROGALLIC ACID
EROMIDES	LACTIC ACID CONC.	QUININE
OFFEINE	LANOLIN	RADIUM
OLCIUM LACTATE	LAVENDER OIL	RADIUM PREPARATIONS
OMPHOR MONOB.	LECITHIN	RODINAL
ORMINE	LEMON OIL	SACCHARINE
OSTOR OIL	LITHIA SALTS	SAFFRON
OLORAL HYDRATE	LYCOPODIUM	SALICYLIC ACID
OLOROFORM	LYSOL	SALOL
OLOROPHYLL	LYSOLINE	SODA BENZOATE
ORIC ACID	MAGNESIUM	SODA HYPOSULPHITE
OCAINE	MERJODIN	SODA SALICYLAS
ODEINE	METHYL SALICYLATE	SOZOIODOL
OD LIVER OIL	METHYL SULPHONAL	SUBITOL
CUMARIN	METOL	SUGAR OF MILK
CEAM OF TARTAR	MORPHIA	SULPHONAL
CEOSOTE CARBONATE	OPSONOGEN	SYNTHETIC PERFUMES
CEOSOTE ex B. WOOD	ORRIS ROOT	TANNIC ACID
DVATOL	OTTO OF ROSE	TARTARIC ACID
DASTASE	OXALIC ACID	TERPINEOL
EGOT OF RYE	PANCREATINE	THYMOL
ESSENTIAL OILS	PAPAIN	VANILLIN
FLOWER OILS	PARAFFIN LIQ.	VERONAL
FORMALDEHYDE	PARAFORMALDEHYDE	YOHIMBINE

SOUTH AFRICA, from Cape Town to the Zambezi

LENNON LIMITEDEstablished in
SOUTH AFRICA

at

CAPE PROVINCE TRANSVAAL

Cape Town Johannesburg

Port Elizabeth Fordsburg

East London Germiston

Kimberley **ORANGE FREE**Graaff Reinet **STATE**

Aliwal North Bloemfontein

Oudtshoorn **RHODESIA**

Mossel Bay Bulawayo

Stellenbosch Salisbury

NATAL Gatooma

Durban

**Wholesale Druggists,
Manufacturing Chemists,
Druggists' Sundriesmen.**

DEALERS IN

Surgical Instruments, Dental, Optical, and Photographic
Goods, Perfumery, and Assay and Mining Requisites.Contractors to the Governments of
CAPE PROVINCE, NATAL, RHODESIA, TRANSVAAL,
and ORANGE FREE STATE.

London Office, Warehouse, and Factory—

12-14 LAFONE STREET, TOWER BRIDGE, S.

Unrivalled position for the introduction and handling of Specialities

P. WHIPMAN & CO. LTD.

(Governing Director : PHILIP WHIPMAN.)

Drug Merchants & Importers**CAN SUPPLY FROM STOCK**

Aconite Root

Aloes, Cape

Aniseeds

Burdock Root

Belladonna Root

BALSAM COPAIBA

Camomiles

Cardamom Seeds

Cassia Fistula

Cochineal

Colchicum Root

Cuttlefish Bone

EUCALYPTUS OILS

Ergot

GUM TRACACANTH

Guaza

Hellebore Root & Pulv.

INSECT POWDERS

Ipecac.

Licorice Root

LICORICE JUICE**SAFFRON**

Sarsaparilla

Sage, Rubbed

Scopolia Root

Senega Root

Senna Leaves

TURPENTINE, VENICE

(substitute)

Uva Ursi Leaves

Valerian Root

Wormseeds

Inquiries solicited for ALL CRUDE DRUGS

Telegrams : "WHIMAZUSA LONDON."

Telephone : AVENUE 5265.

4 NEW LONDON ST., LONDON, E.C. 3.**Export & Home Trade**

Let us quote you for—

CHEMICALS**CRUDE DRUGS****FINE DRUGS****GALENICALS****TABLETS****OINTMENTS**Merchants'
Indents
Filled**BANKS & DALRYMPLE**Wholesale Druggists,
Manufacturing and Export Chemists.

Offices :

74 NORTH HILL ST., LIVERPOOL.Telephone:
Royal 1170.Telegr. Address:
"Dalnab L'pool."Laboratories, Warehouse and Drug Mills:
NORTH HILL STREET.

Acid Acetic Glacial,
Pure 80 %

Acetanilid

Acid Acetyl Salicylic

Acid Tannic Leviss

Antipyrine

Bromides

Formaldehyde

Hydrokinone

Hexamine

Paraformaldehyde

Phenacetin

Pyramidon

Prussiate of Potash, Red
and Yellow

Resorcin

Theobromine, pure Alkaloid

Theobromine, . Sodio Sali-
cylate

Thymol

Spot and Forward Deliveries.

Price List of "Scales Brand" Chemicals post free on Application.

JOHNSON & SONS MANUFACTURING
CHEMISTS, LTD.

Cross Street, Finsbury - LONDON, E.C. 2.

I.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

June 5, 1920.

The following revised prices are now in force—

Advised Price.	Minimum Retail Price.	Minimum Wholesale Price.
2/- Bishop's (Alfred) Citrate of		doz.
1/- Magnesia (1-lb. bots.)	2/-	18/-
1/- " " (1/2 ")	3/4	32/-
1/- " " (1 ")	6/-	57/-
1/6 icolax ...	2/-	18/6
1/6 " " " " " "	4/6	40/-
1/6 inkman's Asthma Reliever	1/6	14/-
1/6 (New packing. Old stock to	13/8 doz. by 3 doz.	
1/6 sold at present prices.)	13/4 " 6 "	
1/4 utton Straw Hat Dyes	13/- " 12 "	
	1/4 12/- doz.	
	less 5% disc. for cash	
quire & Sons' Preparations:		
2/6 romatic Ess. of Senna	2/6	22/6
6/- " " " "	4/6	40/6
2/- orisol ...	2/-	18/-
3/6 Elixir Colloid ...	3/6	31/6
6/6 " Hypophysis Cereb.		
12/- " Thyroidei	6/6	58/6
4/- " Terperoin	12/-	108/-
7/6 ermanglobin ...	4/-	36/-
2/6 " " " "	7/6	67/6
4/- rocal (Chemical Food)	2/6	22/6
6/6 " " " "	4/-	36/-
1/6 " " " "	6/6	58/6
2/6 amnine (Syrup of Senna)	1/6	13/6
4/6 " " " "	2/6	22/6
6/6 " " " "	4/6	40/6
	6/6	58/6

HAVE YOU

OUR LIST OF

PHOTOGRAPHIC CHEMICALS?

Cheapest for Pure Metol
Cheapest for Hydrokinone
Cheapest for Pyro.
Cheapest for Packets

BEST FOR EVERYTHING.

C. ZIMMERMANN & CO.

(PHOTO.) LTD.

13 BARTLETT'S BUILDINGS, E.C.4

COURTIN & WARNER**8 HARP LANE, LONDON, E.C. 3.**

Telephones: CENTRAL 9521. AVENUE 2220.
 Telegrams: "ACCCOURTIWA, BILGATE, LONDON."
 Codes: LIEBER'S; A B C, 4 & 5 Ed.; BENFLEY'S.

**CHEMICALS, DRUGS,
 ESSENTIAL OILS
 SYNTHETICS
 ETC. ETC.**

*for Wholesale Chemists, Druggists, Soap
 Makers, Confectioners and Allied Trades.*

Specialities:

Apiol
 Benzoates
 Bromides
 Camphor
 Caramel
 Carmine
 Chlorophyll
 Cream of Tartar
 Citric Acid

Glycerine
 Hexamine
 Liquorice
 Menthol
 Oxalic Acid
 Phenacetin
 Quinine
 Saffron
 Salicylates

Spermaceti
 Sugar of Milk
 Sulphur
 Tannic Acid
 Tartaric Acid
 Thymol
 Vanillin
 Etc. Etc.

**OILS
 Essential, etc.**

Amber, Anethi Ang., Angelica, Bay,
 Bergamot, Cade, Cajuput, Cananga,
 Carui, Cassia, Cedarwood, Chamomiles, Ang., Cinnamon, Citronella,
 Cloves, Ang., Cognac, Copaiba,
 Cubebs, Eucalyptus, Fennel, Ginger,
 Juniperberries, Juniper Wood, Lemon,
 Lemon Grass, Limes, Linaloe,
 Mustard, Nutmegs, Orange, Palmarosa,
 Patchouli, Peppermint, American,
 Peppermint, English, Peppermint,
 Japan, Pennyroyal, Pine, American,
 Pimento, Santal, E.I. Ang., Sassafras,
 Spearmint, Wintergreen, Wormseed.

Aubepine, Benzaldehyde, Citral,
 Coumarin, Ether Ceanthi,
 Eucalyptol, Heliotropine,
 Methylsalicylate, Otto of Rose, Safrol,
 Sassafras, Terpinol, Terpineol.

GALENICALS

FROM CHEMICALLY AND PHYSIOLOGICALLY TESTED DRUGS

Willows, Francis, Butler & Thompson, Ltd.
40 Aldersgate Street, LONDON, E.C.

**New English Medicinal
 Herbs, Roots & Flowers.**

Agrimony, Avens, Bittersweet, Belladonna,
 Clivers, Colchicum Corms and Seed,
 Colchicum Leaves and Corms, Dandelion
 Herb, Fumitory, Ground Ivy, Meadow-
 sweet, Mugwort, Nettle, Ragwort,
 Shepherd's Purse, Digitalis, Wild Carrot,
 Wood Betony, Yarrow, Yellow Dock,
 White Bryony, etc.

For full list, prices and particulars, apply—
FLEMONS & SONS,
 Herb Merchants, DUNSTABLE.

CAMOMILES

WHOLESALE ONLY.

F. J. CARMICHAEL & CO.,
17 Water Lane, LONDON, E.C. 3.

EMETINE SANDAL WOOD**HYDROCHLORIDE
HYDROBROMIDE**

ALSO

**EMETINE-BISMUTH-IODIDE,
ATROPINE, STRYCHNINE,
CAFEINE, THEOBROMINE, NICOTINE
QUININE SALTS,
IODINE & BROMINE PREPARATIONS**

Mercurials, Refined Camphor.

MORPHINE AND CODEINE

Alkaloids and Salts.

Opium and all Opium Derivatives.

WHIFFEN & SONS, LTD., BATTERSEA, LONDON, S.W. 11.

Telegrams: "WHIFFEN LONDON."

Telephones: 254, 255 BATTERSEA.

Codes for Telegraphing: A B C, Lieber's.

OIL.Whiffen & Sons, Ltd., are
sole Consignees of the**Mysore
Government**

Standard Product.

Complies with requirements of all
Pharmacopœias.*Samples can be had upon application to—*WE INVITE INQUIRIES FROM THE
Wholesale and Export Trade
FOR ALL KINDS OF**VEGETABLE DRUGS** (BARKS, FLOWERS,
HERBS, ROOTS,
SEEDS, ETC.)

We import direct from THE INITIAL SOURCE OF SUPPLY and offer advantageously.

BROOK, PARKER & CO., LIMITED, IMPORTERS OF
CRUDE VEGETABLE DRUGS,
ASHFIELD, HORTON ROAD, BRADFORD.**NEPENTHE.****THE SAFEST AND BEST PREPARATION OF OPIUM.****NEPENTHE** 12/- per lb. **DOUBLE STRENGTH NEPENTHE** 24/- per lb.
GLYCEROLE OF NEPENTHE 6/- per oz.**NEPENTHE SUPPOSITORIES** in four strengths—equivalent to $\frac{1}{8}$ gr. or $\frac{1}{4}$ gr.
Morphia 1/- per dozen; $\frac{1}{2}$ gr. Morphia 1/6 dozen; 1 gr. Morphia 2/- dozen.*Subject to usual Discount and terms.*The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property.
No substitute may be dispensed when "Nepenthe" is ordered in a prescription.**FERRIS & COMPY., LTD., BRISTOL.**

ALL GOODS ON APPROVAL.

Arrowroot -	8/- lb.	Menthol -	3/9, 52/- lb.
Acid Benz. -	5/9 "	Ol. Olive Cream Opt. -	24/- gal.
" Tannic -	10- "	" Ment. Pip. Jap. -	10/- lb.
" Salic. -	4/4 "	" Succint Rect. -	1/9 "
Aloes Barb. 1/-, Plv. -	1/5 "	Paraffin Dur. 5 tons -	13d. "
Am. Chlor. Pur. B.P. -	1/- "	Phenazone -	2/7 "
" Brom. -	5/6 "	Pot. Iodide -	17/6 lb.
Arsen. Alb. Pur. -	8d. "	" Permang. -	6/5 "
Argent Nit. XL -	4/10 "	" Sulphurata -	2/4 "
Bismuth Carb. -	17/9 lb.	" Brom. -	4/9 "
Carmine Opt. -	4/- oz.	Pulv. Trag. -	14/- "
Croci, Stig. Opt. -	5/9 "	Quin. Sulph. -	4/9 oz.
Cera Alb. -	3/5 lb.	" Hch. -	5/10 "
Cera Flav. -	2/8 "	Sal. Linonis -	2/6 lb.
Dec. Aloes Co. Con. Nost. -	1/4 lb.	4 oz. Solazzi, Stks. -	5/- "
Guaiacol Carb. Pur. -	2/7 oz.	Tr. Cannabis Ind. B.P. -	20/- "
Gly. Ac. Carbol. -	2/6 "	" Hyoscy. 1914 -	5/- "
" " Tan. -	4/3 "	" 1898 -	4/3 "
" Borac. -	2/3 "	" Valer. Am. B.P. -	4/9 "
Iodum Resub. 1.5 oz., 20/9 lb.		Ung. Hyd. Nit. B.P. -	4/- "
Liquorice -		" Resinae -	3/- "
Opt. Pur. 2-oz. Sticks 4/- "		" Yellow Paraff. Moll. -	1/- "
Mel. Boracis -	1/7 "	" Zinci Valer. -	1/10 oz.
8-Row Bristle Nail Brushes, 10/-		Black Military Combs, 6 1/2 in. 6/9 doz.	
100 gross All-Bristle English Shaving Brushes (worth 8/6) 5/6, 60/- gr.		500 gross Ex-Stout Gents' Combs 5 1/2 in. 4/3, 48/- gross	
Bone Tooth Brushes, 5/- doz.		1000 gr. Celluloid T. Brushes, 5/3 doz.	
Flexible Steel Nail Files, 3 in. 3/9, 4 in. 4/3, 5 in. 5/-, 6 in. 6/-.			
Anson. Nail Clippers, 10/-			
Finger Stalls Strong Dark Drill, 18/- gross, Waterproof, 2/- doz.			
1/3 Frapp's Olive Oil Shaving Soap 6/6 doz. 7 1/2 Blk. Dress Combs 7/9			
1d. and 2d. Ointment Tins, 3/6 & 5/6 grs. Red Rubber Sponges 8/- doz.			
Red Moulded Enemas, 20/-		Eye Shades Celluloid 2/- doz.	
Military Hair Brushes (Bristle), 12/- doz.		Crepe Band, 2 1/2 13/-	
Absorb. Med. Gauze, 1-yd.-packets, 2/6 doz. Glass Urinals 12/- doz.		Folding Nail Scissors, 13/- doz. Bent Manicure Scissors, 23/- doz.	
French Split Crutches 7/- pr. 5d. Calvert's Tooth Powder 3/9.			
4 1/2 Solace Shaving Stick 26/- grs. 1 1/2 Cambric Bands, 16/- grs.			
Open Wove Band, 2 1/2 12 1/2 30/-, 3 1/2 35/-, 3 3/4 39/-, Cotton Wool 1/10			
4-Row Wood Fibre Nail Brushes 3/3 doz. Lint 5/2.			
Sheffield Blades Gillette Ptn. 22/- gr. 7 1/2 Carb. T. Pwd. 50/- gr.			
1/3 Flex. Nail File in Lth. Case 7/-, 1/- Newbery's Lanoline 4/- doz.			
Stand. Shav. Mirrors 6 x 4 6/6, 7 x 5 8/6 doz.			
Turco Face Squares 3/- doz. 8 1/2 Blk. or Amb. Dress Combs 8/6.			
1/- Zoka Tooth Cream 6/- doz. 68/- grs. 10 parcel Carr. Free.			
Orange Sulph. Tabs. 1/9 lb. Bism. Mag. 2/8 lb.			

Let's quote for anything you want.

STEVENS & CO.,

97A Borough High Street, LONDON, S.E. 1.

Alliance Drug & Chemical Co., London

Offices: 34 LEADENHALL STREET.

NOTE.—Only terms, Net Cash with order without discount, all orders accepted through London Merchants or Bankers. Goods carriage forward: all packages free; Export cases extra.

* Acid Boric Pulv., 3 cwt. @ 88/- cwt.; 1 cwt. @

89/6 cwt.

" Salicyl. pulv., 1 lb @ 4/6 lb.

Ammon. Carb. lump, 3 cwt. at 9d. lb.; 28 lbs.

@ 10d. lb.; 7 lbs. @ 11d. lb.; powder, 1d.

lb. extra.

Bismuth, P.B., Carb., 3 lbs. @ 18/2 lb.; 1 lb.

@ 18/4 lb.; subalt., 3 lbs. @ 16/3 lb.; 1 lb.

Salicyl., 1 lb @ 18/6 lb. [@ 16/7 lb.

* Chloroform, pure, B.P., 12 8-lbs. @ 5/- lb.

8 lbs. @ 5/2 lb.; 6 1-lb. bots. @ 5/7 lb.

Ext. Tarax, Liq. P.B., 20 lbs. @ 3/3 lb.; 5 lbs.

@ 3/5 lb.

Glycerine P.B., 1°260 56 lbs. @ 162/- cwt.; 12 lbs.

Guaiacol Carb., 1 lb. @ 37/6 lb. [@ 1/8 lb.

Guaiacol, pure, 1 lb. @ 44/- lb.

Gum Acacia, sorts, 3 cwt. @ 84/- cwt.; 1 cwt. @

87/6 cwt.; 7 lbs. @ 11d. lb.; English Ground

Powder, No. 1, 1 cwt. @ 174/- cwt.; 7 lbs. @

1/8 lb.; No. 2, 1 cwt. @ cwt.

Gum Benzoin, Sumatra, 84 lbs. @ 2/3 lb.; 7 lbs.

@ 2/5 lb. [@ 5/9 lb.

L in. Camph. P.B., 40 lbs. @ 5/7 lb.; 9 lbs. @

Liq. Strychnina, Hyd. B.P., 6 lbs. @ 3/6 lb.

" Tolut. pro. Syr. I-7, 6 lbs. @ 4/3 lb.

M ag. Carb. Pond., 7 lbs. @ 1/3 lb.

M O. Eucalypt., P.B., 1 cwt. @ 3/2 lb.; 28 lbs.

@ 3/3 lb.; 9 lbs. @ 3/6 lb.

P tress. Cit., B.P., 7 lbs. @ 8/- lb.

Soda Brom., 7 lbs. @ 4/6 lb.; 1 lb. @ 4/8 lb.

Sodii Salicyl. Pulv., 2 lbs. @ 4/8 lb.

* Syr. cilla, P.B., 7 lbs. @ 1/6 lb.

* Senna, P.B., 7 lbs. @ 2/1 lb.

* Tinct. Opil. B.P., 5 lbs. @ 6/- lb.

* Tinct. Opil. Apos., 5 lbs. @ 4/8 lb.

* Tinct. Quinaia Amm., B.P., 5 lbs. @ 5/- lb.

* Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted. In comparing prices it must be borne in mind that bottles & packages are free and not charged, but are credited if returned.

A. S. PRICE & CO., LTD.

Manufacturing Chemists,
BLACKHEATH, BIRMINGHAM.

SPECIAL OFFERS.

Subject unsold. Net cash. F.O.R. or delivered locally.

ACID SULPHURIC PUR B.P. Carboys at 5 1/2d. per lb.	
ACID SULPHURIC PUR. (for analysis). Winchesterst	
at 9d. lb.	
ACID SULPHURIC "OLEUM" (20%) Winchesterst at 9d. lb.	
ACID NITRIC PUR. Carboys at 8d. per lb.	
ACID NITRIC COML. Carboys at 5 1/2d. lb.	
ACID NITRIC "FUMING" Winchesterst at 1/3 lb.	
ACID HYDROCHLOR. PUR. Winchesterst at 5 1/2d. lb.	
ACID SULPHUROUS B.P. Winchesterst at 3 1/2d. lb.	
ACID ACETIC GLACIAL 95% Winchesterst at 1/- lb.	
ZINC GRANULATED (arsenic 1 in 10 millions) 2/- per lb.	
POT. NIT. PULV. (Refined 99 1/2%) 75/- 1 cwt.; 5 cwt. at 70/-	
1 ton at 69/-	
OL. EUCALYPT. B.P. 1 lb. 3/9, Wr. 3/6, Cases 3/-	
LICORICE. 2 oz. sticks, 7 lb. at 4/6, 14 lb. at 4/3, 1 cwt.	
cases at 4/-	
OL. LIMONIS. OPT. 8/6 lb in 1 lb. bots.	
OL. ANISI. B.P. 7/- lb. orig. Lead at 6/6.	
SAFROL. 7/6 lb., 7/- lb. at 7/3 in 1 lb. bots.)	
ACID TART. PULV. B.P. 4/3 lb., 1 cwt. at 4/-, 5 cwt.	
at 3/11.	
GUM JUNIPER. 2/6 lb., 14 lbs. at 2/3.	
CURRIE POWDER, Finest, 1/6 lb., 7 lb. at 1/4, 1 cwt. at 1/2	
SUGAR OF MILK. 2/6 lb., 7 lb. at 2/4.	
FLAVOURING ESSENCES, assorted, 1 oz. at 9/6 doz., 2 oz.	
at 16/6 doz.	
GROUND MACE, good, 1/11 lb., 14 lb. at 1/10.	
GROUND CLOVES. 2/2 lb., 14 lb. at 2/1.	
ARROWROOT. 9d. lb., 14 lb. at 9d.	
GROUND GINGER. 9d. lb., 14 lb. at 9d.	

Telegrams: "Custard, Blackheath, Staffs." Telephone: Cradley 174.

Guaranteed
SACCHARIN
TABLETS.

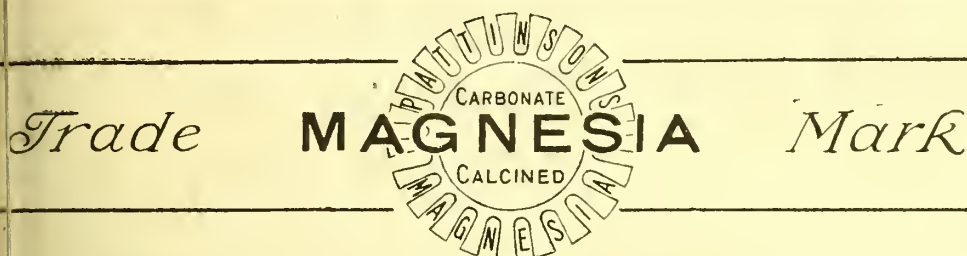
Average over 7000 to pound.

Quantity.	1/2 grain 330.	1/3 grain 330.	1/4 grain 330.
1-lb.	47/-	35/-	28/-
7-lb.	46/-	34/-	27/-
14-lb.	45/-	33/-	26/-
100's boxes	9/6	7/6	6/-
200's "	17/-	14/-	11/-

Less 6d. per doz. in gross lots.

CASH WITH ORDER, POST PAID ON
VALUE; ORDERS LESS THAN £2 AT
6d. FOR POSTAGE.A full-signed guarantee will accompany
each order. We take the risk, you take
the profit.

WALTON, Chemist, BATLEY



PATTINSON'S

MAGNESIA

Carbonate, Calcined, Fluid.

*The Washington Chemical Co., Lim.,
Washington, Co. Durham, England.*

Telegrams: "Chemical, Washington Station."

Telephone: 1373, Central, Newcastle-on-Tyne.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

WHOLESALE TRADE ONLY.

Established 1900.

DR. B. W. GATHERGOOD'S EXOR.

— Terrington St. John, WISBECH —

for **GREEN EXTRACTS and DRIED HERBS**
of BELLADONNA, HENBANE, &c.

ORION
SACCHARIN 550
COUMARIN 100%
VANILLIN 100%
**READY
TO
SHIP.**

APPLY TO DIRECT SHIPPERS—

LINTON, HUBBARD & ANDREW, 72-75 Fenchurch St., London, E.C.

Telephone: 1892 Avenue.

A B C and Lieber's Codes.

Cables and Telegrams: "LINTEOLO LONDON."

COMPRESSED TABLETS

**ORANGE-FLAVOURED
SULPHUR TABLETS**

Up to 4 lbs. **2/9 lb.** Up to 7 lb. **2/8 lb.**
 " 14 " **2/7 "** " 28 " **2/6 "**
 " 56 " **2/5 "** " 112 " **2/4 "**

**SACCHARINE
TABLETS**

100s, 3 550 **108/-** per gross
 Bulk **50/-** per lb.
 Net cash with order.

**DR. SAND'S
HEALTH SALTS****90/-** per gross.

WITH SHOWCARDS.

E. H. BUTLER & SON, 93 Humberstone Gate, LEICESTER*Competition for Quality.***J. D.****Saccharin Tablets**

0'3 gr. 550 Saccharin in each.
FULL STRENGTH.

100's in envelopes ... **10/-** doz.
 100's in tins ... **11/-** "
 200's in boxes ... **20/-** "
 500's " ... **46/-** "
 1000's in tins ... **90/-** "

Per • 50/- lb.

Jules Denoual & Co.

**Carlton Works, Asylum Rd.,
 LONDON, S.E. 15.**

SACCHARIN TABLETS

Made from British Saccharin each guaranteed to contain
 $\frac{1}{2}$ -gr. 330 in 1, 7000 to the lb.

1 lb. 46/- 7 lb. @ 45/- 14 lb. @ 44/-
 In envelopes each containing 100 @ 9/- doz., 106/- doz.

Prompt Delivery.

Cash with Order.

Carriage paid.

R. GIBBINS & CO. Tablet Manufacturer
1 Birkbeck Road, Kingsland, LONDON, E. 8.

SACCHARIN TABLETS.

GUARANTEED.	GUARANTEED.	GUARANTEED.
$\frac{1}{2}$ -grain 330	$\frac{1}{2}$ -grain 330	$\frac{1}{2}$ -grain 330
3/8 per 1000	4/9 per 1000	6/5 per 1000

IN SMART TIN BOXES.

5/6 doz. 100s	6/9 doz. 100s	8/9 doz. 100s
10/9 " 200s	12/6 " 200s	16/3 " 200s
24/9 " 500s	31/3 " 500s	41/3 " 200s
47/9 " 1000s	60/9 " 1000s	80/5 " 200s

Approximately 7,000 tablets to the lb.

Registered Post Paid. Cash with Order.

SUBSTANTIAL REDUCTION for QUANTITIES.

ARION CHEMICALS CO., Perivale Chemical Works
Greenford, Southall, Middlesex.

ASPIRIN TABLETS

ENGLISH ASPIRIN ONLY.

Each tablet contains 5 grs. B.P. Aspirin, of the well-known make of Pierson, Morrell & Co., Ltd.

25's, 5/- per dozen ; 50's, 8/- per dozen ; 100's, 14/6 per dozen ; Bulk, 8/3 per 1000

With own name and address if desired.

A selection of 30 varieties of Labels.

We invite comparison of these Tablets with those of other Manufacturers

CHEMICALLY—The melting point of the Aspirin.

The amount of free acid present, if any.

PHYSICALLY—The time required for disintegration.

The uniformity in weight and size.

The "finish" of the Tablets, surface, edges, etc.

GENERALLY—The amount of Aspirin in each Tablet.

The selection of Labels offered.

If packed as own proprietary with "name and address."

We take it that the above are the "things that matter" from the Pharmacist's point of view, in comparison with which a few pence more or less on the dozen are of very little moment.

SAMPLES FREE ON APPLICATION.

Export Orders.—These must always be accompanied by a Draft payable in London, against documents, to cover cost of goods ordered *plus* an approximate amount for packing, carriage and insurance; any difference can be adjusted afterwards. Small orders are best and quickest sent by Parcels Post in packages of 11 lb. each.

H. & T. KIRBY & CO., LTD., Belton Road, Willesden Green, London, N.W. 2.

DUTCH
*Sugar
of Milk.*

"THE BEST"

HOLLANDSCHE
MELKSUIKERFABRIEK
Amsterdam.

ESTABLISHED 1871

Telegraphic Address:
"Toothache Sheffield."

1,000,000

ASPIRIN TABLETS

(British)

We have made and sold over a million gr. v. Aspirin Tablets and never had a complaint of any description.

Daily we receive letters congratulating us on turning out the best Aspirin Tablet on the market.

6/- per 1000, net cash with order.

SACCHARIN TABLETS

(British)

3 gr. 550 in 1 gr. tablet.

Standardised and guaranteed as to strength. In Bottles, or Damp-proof Envelopes of 100s, 200s and 500s and in Bulk. Special quotations for quantities.

All drugs are tested, and tablets made in our own factories and guaranteed by

G. CARR & Co., Ltd.

Manufacturing Chemists,

WILKINSON LANE, SHEFFIELD.

YOU NEED NOT TEST "M. & J." BRAND ASPIRIN TABLETS

*Advertised regularly in
The Practitioner, Pre-
scriber, Medical World,
Topical Therapy, Nursing
Times First Aid, etc.*

P.A.T.A.
48% PROFIT

*Issued in original
packages of 25 and 100
5-grain tablets, retailing
at 1/- and 3/- respectively.*

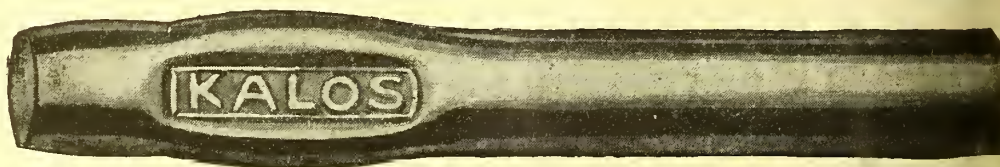
Because—

- (1) They are compressed from Acid. Acetyl-Salicylic, which is *super B.P.*
- (2) No talc, boric or citric acids are used as excipients.
- (3) They are not overloaded with starch; their disintegration is sufficiently rapid without it.

THEIR REPUTATION IS ESTABLISHED

Price List and Particulars of Bonus Display Terms from
MENLEY & JAMES, LTD., Menley House, 64 Hatton Garden, London, E.C.1.

LIQUORICE JUICE, "**KALOS**" BRAND,
IS THE **SUPREME** QUALITY
WITHOUT EXAGGERATED PRICE.



Samples taken from shipments of this Juice have been examined and analysed by the
well-known Analytical and Consulting Chemist,

Mr. ERNEST J. PARRY, B.Sc., F.I.C., F.C.S., LONDON,
who reports that it is

ABSOLUTELY PURE LIQUORICE JUICE OF HIGH GRADE.

Importers can secure a further guarantee (if required) by having sample of any
shipment of "KALOS" Liquorice Juice they may receive—either in stick or block
—analysed and reported upon at maker's expense by Mr. Parry.

SACCHARIN TABLETS

THE application of the highest degree of scientific knowledge, in combination with the most modern machinery, have resulted in the production of our Saccharin Tablets, which we now commend to the notice of the Pharmacist "keen on quality."

Until to-day, we have not advertised our Tablets, but the rapidly increasing sales have induced us to considerably enlarge this department and plant, and we are fully confident that the high repute in which our Tablets are held by those who use them, will become widespread as they are more widely known.

We venture to submit that the Pharmacist, more than anyone else, should bear a name for quality, and we are strongly of opinion that the sale of our Tablets will enhance his reputation.

The portability and the ease with which an exact proportion of sweetening element can be added to any beverage, indicate permanency in the use of Saccharin Tablets, more particularly with sugar at to-day's high price and in its present scarcity; it is, however, essential for a true estimate of its superiority over Sugar, that the form in which Saccharin is presented shall bear the following characteristics: (1) Appearance and Finish, (2) Exact Saccharin content guaranteed actually present, (3) Uniformity and rapid and complete solubility.

Our Tablets in all respects excel in their correspondence with the foregoing requirements.

(A practical and ready test may be made by dissolving one of our Saccharin Tablets in plain water—a perfectly clear solution is the result, showing the absence of insoluble matter.)

With a view to maintaining the high standard of excellence, on which we can legitimately pride ourselves, every batch of tablets produced is passed by our Analytical Control Department before issue to the public.

Your interests are thereby safeguarded and our reputation sustained.

Issued from the Laboratories of

C. R. HARKER, STAGG & MORGAN
LTD.

**Devon Wharf and Bell Wharf,
Mile End, E. 1.**

FOR

QUININE & SALTS

ALSO

QUINIDINE
CINCHONINE
CINCHONIDINE

AND
SALTS

AND

SUGAR-COATED QUININE TABLETS

MANUFACTURED BY

AMSTERDAM QUININE WORKS.

Wittenkade 48/50, Amsterdam.

APPLY TO

SOLE AGENTS for the UNITED KINGDOM:—

COURTIN & WARNER, 8 Harp Lane,
London, E.C.3.*For samples, prices and particulars.*

Telegrams: "Accourtiwa, Bilgate, London."
Telephone No.: Avenue 2230.

Buy from the actual makers

QUININE SALTS

including

Quinine Ethyl - Carbonate,
Quinine Urea Hydrochloride,
Aristochin.

CHEMICALS & BY-PRODUCTS, LT.

incorporating the

COOPER LABORATOR WATFORD

QUININE } AND CINCHONIDINE CINCHONINE } SALTS QUINIDINE

SUGAR-COATED QUININE TABLETS & PILLS,
GELATINE-COATED OVAL PILLS

BANDOENG QUININE FACTORIES

BANDOENG-JAVA.

Telegrams—"Kininefabriek Bandoeng."

AMSTERDAM: De Wittenkade 48/50

Telegrams—"Schalkwyk Amsterdam"

SOLE AGENTS FOR THE UNITED KINGDOM—

C. M. & C. WOODHOUSE, 30 Mincing Lane, London, E.C.3.

Telegrams—"Palmiste, Telew, London."

SAMPLES AND PRICES ON APPLICATION.

Alkaloids.

Chemical and Pharmaceutical Products.

*Exposition Universelle de Paris: Médaille d'Or.**Exposition de Toulouse: Médaille d'Or.**Exposition de Nancy: Diplôme d'Honneur.***P. J. DELANNOY****44 Rue Vieille-du-Temple, PARIS.**

Tel. Add.: "Chimipharma, Paris."

And at Vernier, near Geneva, Switzerland.

Acetamidosalol (Salophene)
 Acid Acetylsalicylic (Aspirin)
 Acid Benzoic
 Acid Diethylbarbituric or
 Barbitone (Veronal)
 Amido-Antipyrin
 (Pyramidon)
 Analgesine (Antipyrin)
 Argent Colloidal (Collargol)
 Atropine and Salts
 Benzoate of Soda
 Benzo-Naphthol
 Bi-Phosphates
 Bismuth Subnitrate
 Monobromisovalerianylate
 of Urea (Bromural)

Cacodylates
 Cantharidin
 Carbonate of Bismuth
 Carbonate of Creosote
 Carbonate of Guaiacol
 Citrate of Iron
 Cocaine and Salts
 Codeine and Salts
 Colchicine
 Diacetylmorphine Chte.
 (Heroine)
 Diactyltannin (Tannigene)
 Digitaline
 Eserine and Salts
 Ethylmorphine Chte.
 (Dionine)

Formates
 Guaiacol. cryst. and liq
 Glycerophosphates
 Hydrastinine
 Hyosciamine
 Iodogallate of Bismuth
 (Airol)
 Lecithin
 Lithia and Salts
 Methylarsenates
 Methylsulfonal (Trional)
 Nucleinate of Silver
 (Argyrol)
 Pilocarpine and Salts
 Proteinates of Silver
 (Protargol)

Quassine
 Salicylate of Bismuth
 Salicylate of Methyl
 Salicylate of Naphthol
 Salicylate of Soda
 Salicylate of Soda and
 Theobromine
 Sparteine and Salts
 Sulphoguaiacolate of Potash
 Diethylsulfonemethyl-
 methane (Sulfonal)
 Terpene
 Theobromine
 Veratrine and Salts
 Tribromophenate of Bis-
 muth (Xeroform)

*Quality Unsurpassed.**Guaranteed Own Manufacture.***Francisco Casas**

Mayor 10, MADRID, Spain.

Importer of Pharmaceutical Products,
Alkaloids, and Specialities.QUOTATIONS SOLICITED.Correspondence invited from firms having Agencies
to offer in Spain—English, French, American, &c.

SILVER PROTEINATE P.G.V.
SILVER NUCLEINATE 20% & 25%
RENNET POWDER & LIQUID
FERRATE OF ALBUMINE

We have a regular & continuous
 output of these preparations.
 Please ask for prices.

CHEMICAL WORKS, MADOERY, LIMITED,
BASLE, SWITZERLAND.

NORDISK DROGE- & KEMIKALIEFORRETNING

(NORTHERN DRUG- & CHEMICAL COMPANY LTD)

MAIL
ADDRESS**CHININ**TELEGR.
ADDRESS

COPENHAGEN, DENMARK.

Import—Export**WHOLESALEERS.**

ORTHO - OXYCHINOLINE SULPHATE

"SUPEROL"

Registered Sale Name.

In Powder, Granulated and Tablets.

A MOST EFFECTIVE NON-POISONOUS
ANTISEPTIC AND DISINFECTANT.

SOLE MAKERS:

Vereenigde Chemische Fabrieken

(United Chemical Works)

AMSTERDAM.*Also Manufacturers of the following—*Potassium Oxychinoline Sulphate, Neutral Sulphate
of Ortho-Oxychinoline cum Sulphate of Potassium,
Anaesthesine, Terpinhydrate, Terpeneol, and
Phosphate of Ammonia.Write for Samples and Quotations from the Sole Agent
for Chemical and Pharmaceutical Products,**K. RAYMENT, 2 Broad Street Place****LONDON, E.C. 2**Telephone:
4688 London Wall.Cables & Telegrams:
"Oleowiks, Ave, London."**The Treatment of Disorders
caused by Distomatosis****LIVER-FLUKE KILLS
Sheep and Cattle.****LA FOUGÈRE
GIGNOUX**

(Veterinary Extract of Male Fern)

**KILLS LIVER-FLUKE
and Cures the Animals.***Pamphlets and Price Lists on Application.***GIGNOUX FRERES & BARBEZAT,**

Manufacturers of all kinds of Pharmaceutical Extracts,

DECINES, near LYONS (France)**London Agent: R. Ansay, 44 Wilson Street**

Finsbury, E.C. 2.

(Telephone: London Wall 3103.)

"PHARMACIA"**HEXAMETHYLEN-
TETRAM. SALICYL.**(Substitute for
Saliformine)**HEXAMETHYLEN-
TETRAM. BORATE**(Substitute for
Boroverine)**THEOBROMINA****Theobr. sod.
salicyl.**

(Substitute for Diuretine)

**Theobr. sod.
acet.**

(Substitute for Agurine)

BRAND**CAFFEINA**

Caffeine Citras

MANUFACTURERS:**ROYAL PHARMACEUTICAL Co. Ltd.,**

AMSTERDAM.

GLUCOSE

Puriss.

For Bacteriological
purposes and food
preparations.**ABSOLUTE ALCOHOL**

COLLODIONS

FLUID EXTRACTS
and
TINCTURES
standardised.All our own bonded
laboratories.**Agent: A. C. HENRY, 19 St. Dunstan's Hill, LONDON, E.C.3**

Telephones: London Wall 4391, & Bank 275.

THE EASTERN & RUSSIAN TRADING COMPANY, LIMITED,**8 Drapers' Gardens, Throgmorton Avenue, London, E.C.2.**

Representatives and Agents in France, Italy, Germany, Turkey, Palestine, India, Siberia, Japan, and U.S.A.

General Agents of **I. L. GOLDBERG**, Petrograd, Vilna, Odessa, Moscow, the exclusive exporter of**SANTONINE**

From Russia to the whole world.

Inquiries solicited also for

RUSSIAN CRUDE DRUGS**WORMSEED**(Semen Contra)
Aniseed
Elderflowers**LYCOPodium****ERGOT OF RYE**
Boletus Cervinus**ELECAMPANE ROOT**Liquorice Root
Calamus Root
Soap Root**GUM AMMONIA****GUM GALBANUM**
GUM TRAGACANTH**HENBANE LEAVES**Frangula Bark
Cantharides
Blood Albumine**ANISE OIL**

Coriander Oil

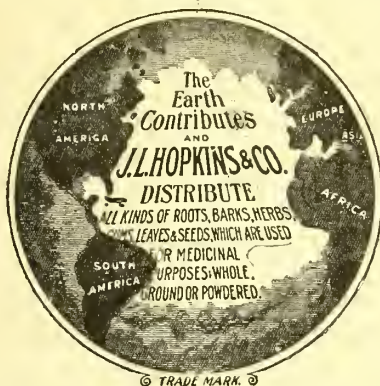
STOCKS IN LONDON & AT THE PRINCIPAL AGENCIES.

Cable Address: "TAARINCO, LONDON."

STANDARDISED CRUDE DRUGS

We are in position to make prompt shipment of the following AMERICAN BOTANICALS.

Witch Hazel Leaves
Witch Hazel Bark
Cascara Bark
Grindelia Robusta
Golden Seal Root
Bayberry Bark
Elm Bark
Sillington Root



Senega Root
Yerba Santa
Damiana
Cannabis American (U.S.P.)
Lobelia Herb
Cramp Bark True
Sassafras Bark
Wintergreen Herb

Deer Tongue Leaves.

J. L. HOPKINS & CO., Drug Merchants, New York, U.S.A.

FROM THE ACTUAL DISTILLERS

EUCALYPTUS OILS

Cineol - B.P. ($C_{10}H_{18}O$)

Peppermint - Ketone

Sp. Gr. $\frac{0.935}{0.940}$ Ref. Ind. $\frac{1.480}{1.483}$
Opt. Rot. 0° to -1°

Phellandrene ($C_{10}H_{18}$)

and all grades Eucalyptus Oil,
B.P., U.S.P., Standard & Industrial.

E. CITRIODORA

E. McARTHURI

We are prepared to quote by cable or
ex London stocks when available.

GILLARD GORDON, LTD.
SYDNEY, AUSTRALIA.

Cables: "Gumlypta Sydney."



THE
STANDARD
SALINE
LAXATIVE



Bristol-Myers Co.
New York

Cable Address:
"CELAITCH NEW YORK."

Codes:
A B C, Fifth; Bentley's Improved Private.

CHAS. L. HUISKING, INC.

5 Platt St., New York City.

**BROKERS & COMMISSION MERCHANTS,
DRUGS : CHEMICALS : OILS : SPICES.
PROPRIETARY MEDICINES, DRUGGISTS' SUNDRIES.**

*Buying and Selling Agents for leading
Houses in all parts of the World.*

European Manufacturers desirous of placing their goods in the American market would do well to communicate with us. Our outlet for goods is very large.

Weekly Market Reports Mailed on request of WHOLESALE BUYERS only.

WE OFFER

PARALDEHYDE, U.S.P.

also

ACID PYROGALLIC ACID TANNIC
TRIONAL
SULPHONAL ACID GALLIC
ALBUMIN TANNATE
CAMPHOR MONOBROMATE
REDUCED IRON

FOR PROMPT SHIPMENT

WHOLESALE QUANTITIES ONLY

MALLINCKRODT CHEMICAL WORKS OF CANADA, LIMITED.

Cable Address: "MALLCHEM MONTREAL."

CRUDE DRUGS

H. R. LATHROP & CO. Inc.

Drug Merchants

CABLE ADDRESS: "SISCOSTAL"

A B C — 5TH EDITION
SAMPLER 2A EDICION
BENTLEY'S 5-LETTER

116 BEEKMAN STREET,
NEW YORK, N.Y.

SMITH, STANISTREET & CO., LTD.

CALCUTTA

have to announce that they are
in a position to make immediate
deliveries of

Podophyllin Emodi Resin
Podophyllum Emodi Root

and shall appreciate all orders
and inquiries for these articles
and also for all other Indian
Indigenous Drugs.

TURMERIC, NUX VOMICA,
EUPHORBIA PILULIFERA,
BELLADONNA, etc. etc.

Telegraphic Address: "Stanstreet Calcutta."
Codes used: A B C, 5th Edition; Bentley's.

STOVAIN

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
Used in the same way and as efficacious as Cocaine

Does not create a habit and does not give rise to head-
aches, nausea, vertigo or syncope. *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED.

Cheaper than Novocain and Benzocain and obtainable
promptly in practically unlimited quantities from the
manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES
92, RUE VIEILLE DU TEMPLE, PARIS.

Ampoule Files

THE GREATEST PRODUCTION
IN THE WORLD
THE BEST. THE CHEAPEST.

Prices and Samples sent on application to—
SIM Ltd., Morges, Switzerland.
Major CYRIL SANKEY, late Royal Artillery, General Manager.

NOTA BENE

In consequence of numerous complaints of the delays in getting special orders for our goods executed, causing much annoyance to both the retailers and their clients, we have decided to send, *carriage free*, all orders amounting to five shillings *net* and upwards.

Our 1/- Tinctures and Pilules are now

4/6 per dozen

less 10 per cent. monthly account.

AND WE HAVE ALSO

1/6 size (double the 1/-) at 9/- per dozen, and

2/6 „ („ „ 1/6 „ 18/- „ „

less 10 per cent. as above.

These latter are now much in demand, and in the commonest medicines much appreciated by clients.

All orders sent direct to us will receive our prompt and careful attention, and in every case, where possible, the goods will be sent by return of post. Send us a trial order.

LEATH & ROSS, *Homœopathic Chemists,*

295 High Road, Brondesbury, London, N.W. 6.

TWO SIZES ONLY.

**DR. J. COLLIS BROWNE'S
CHLORODYNE****Prices and Terms:****TRADE:**

Minimum Retail Price	....	....	1/3	3/-
Price (<i>per dozen</i>)	....	....	12/3	30/6

Discount 5 per cent. on £1 worth, 7½ per cent. on £5 worth and upwards.

Packages charged at cost, and are not returnable.
Carriage forward.

Terms: Cash with order. Most Wholesale Houses supply on equal terms, so please order with your other goods.

Dr. J. Collis Browne's**Chlorodyne**

is on P.A.T.A. Protected List, & must not be sold below the prices named above.

J. T. DAVENPORT, Ltd. Proprietors,
117 Union Street, London, S.E.1

SYRUP

ROBORANG

(ROBERTS)

Recognised by the Medical Profession
as **THE BEST TONIC.**

IN 8 AND 16-OZ. BOTTLES OF ALL
WHOLESALE HOUSES.

ROBERTS & Co.*Pharmaciens,*

LONDON.

PARIS.

76 New Bond St., W.

AND

Rue de la Paix, 5.

ROBERTS & CO.

INVITE
INQUIRIES

For NEW & RARE

MEDICINES
OF
FRENCH
ITALIAN
AND
RUSSIAN
ORIGIN.

PRICE LIST*sent on application.*

The SPECIALIST in—

Tooth Powders,
Toilet Powders,

Yena Powders,
Emulsions,
OINTMENTS Etc. Etc.

Chemical Foods,
Malt Extract,

ROBERT BLACKIE

*Wholesale & Export Druggist,
Manufacturing Chemist,*

Telephone :
Hop 2415.

Telegraphic Address :
Ushenspuna London.

SHEN WORKS,
Tower Bridge Road,
LONDON, S.E. 1.

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

*Sole Manufacturers of***JUBOL****RE-EDUCATION OF THE
INTESTINE.**Constipation, Enteritis, Hæmorrhoids,
Indigestion, Skin Blemishes, &c.

Price 5/- per box.

GLOBÉOL**POWERFUL BLOOD TONIC.**Anæmia, Nervous Exhaustion, General
Debility, Tuberculosis Convalescence,
etc.

Price 5/- per bottle.

PAGÉOL**POWERFUL URINARY
ANTISEPTIC.**Cystitis, Prostatitis, Catarrh of the
Bladder, Renal Tuberculosis, etc. etc.

Price 5/- and 11/- per box.

JUBOLITOIRES**SCIENTIFIC SUPPOSITORIES**Hæmorrhoids, Rectitis, Anal Fistula, etc.
Hæmorrhagic, Sedative, De-congesting.

Price 5/- per box.

URODONAL**POWERFUL URIC ACID
SOLVENT.**Rheumatism, Gout, Arterio-sclerosis,
Stones, Gravel, Sciatica, Neuralgia and
all Uric Acid disorders.

Price 5/- and 12/- per bottle.

VAMIANINENew Scientific Preparation for Chronic
Skin Affections, Psoriasis, Eczema,
Acne, etc.

Price 11/- per bottle.

SINUBÉBASE**SCIENTIFIC PREPARATION OF
LACTIC FERMENTS.**Indicated in Intestinal Disorders,
Dysentery, Diarrhoea, Dyspepsia, Enteritis,
Typhoid, Skin Eruptions, etc., etc.

Price 5/- per bottle.

FANDORINEMetrorrhagia, Dysmenorrhoea and Lactation,
Pains, etc. etc.

Price 5/- and 11/- per bottle.

FILUDINE**SPECIFIC FOR THE LIVER.**Malaria, Diabetes, Cirrhosis, Sluggish
Liver, Tuberculosis, etc.

Price 11/- per bottle.

BRITISH AND COLONIAL AGENTS—

Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.

Telegrams: "URODONAL LONDON." Telephone: Regent 192.

AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W.

INDIA (SUB-AGENTS): G. ATHERTON & CO., 8 Clive Street, Calcutta.

*Stocked by all Wholesalers.**Now being largely advertised.***LIQUID BARKOLA COMPOUND****Wholesale 30/- per doz.,****Retail 3/- each.**Each bottle (1 oz.) carries instructions to the chemist
to make up to the following Standard Formula—1 oz. Barkola Comp., 1 oz.; Tincture of
Rhubarb, 1 oz.; Syrup of Rhubarb, 1 oz.;
Syrup of Ginger, 5 oz.

Wholesalers charge according to their own scale for dispensing

THE BARKOLA CO., LTD.,

2 Great Dover St., LONDON, S.E.1.

Proprietors of Barkola Alvexo, Barkola Balm, &c., &c.

Never be without**On the P.A.T.A.**

The genuine remedy for

ECZEMA, CUTS, BRUISES, SORES, BURNS,
PILLS, PIMPLES, BAD LEGS, SORES on
HEAD, CHAPPED HANDS and ALL SKIN
TROUBLES.*Liberal Terms to the Trade.*

Apply to your Wholesaler or to

"ZI-ZI" CO., Newmarket.

Advertising matter free on request.

**D.D.D.
Prescription****FOR ALL SKIN & SCALP DISEASES**A well-advertised, high-grade preparation, enjoying
a steadily increasing sale. On the P.A.T.A. pro-
tected list, giving the retailer a profit of about 25%**TRADE PRICES.**

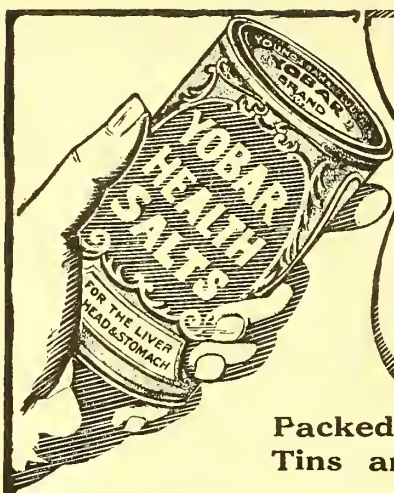
D.D.D. Prescription	3/- bottle, M.R.P. Face Value,	@ 27/-
" "	5/- " " " "	@ 47/-

In two strengths Ordinary and Strong.

D.D.D. Soap	1/3 tab. M.R.P. Face Value,	@ 10/-
" Shaving Soap	1/6 stick " " "	@ 13/6
" Vanishing Cream	2/6 jar " " "	@ 22/6
" Shampoo Powders	2/6 box " " "	@ 22/6

Carriage paid to any part of the United Kingdom.

Showcards &c. Supplied Free.**D.D.D. Co., Ltd.****3,5,7 Fleet Lane, Ludgate Circus, London, E.C.4**



YOBAR

HEALTH SALTS

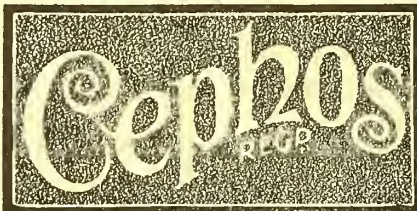
**A SPOONFUL A DAY—
KEEPS THE DOCTOR AWAY.**

**Packed in First-Class Style in Attractive
Tins and Bottles.**

**A popular "draw"—and one that will sell at all times.
Provides the retailer with a steady income.**

Prices on application to—

YOUNG & BARRACLOUGH, Ltd., LEEDS.



**For NEURALGIA, HEADACHE,
RHEUMATISM and INFLUENZA.**

Write for wholesale terms to

CEPHOS LTD., Blackburn, Lancs.

SAPONINE

(SOLUBLE)

*Special Terms to Wholesalers and Large
Consumers.*

MANUFACTURED BY

C. W. FIELD, LTD.
Cambrian Mills - - Liverpool

ORILENE CAPSULES & CAZO TABLETS

are now being advertised in an extensive manner in Great Britain and the Colonies.
The Public will want them, and it is bad business to send a customer to a rival shop
for anything.

The profit on the retail sale is worth having—and keep your customer.

SOLE MANUFACTURERS:

D. J. LITTLE CO., 37/38 HATTON GARDEN, LONDON, E.C.1.

THE DIGESTIVE FERMENTS Co.

DETROIT, U.S.A.

BACTOPEPTONE

Acknowledged to be the best and most reliable Peptone for Bacteriological use.

DIASTASE	HÆMOGLOBIN
PANCREATIN	OX GALL
PEPSIN	SODIUM CHOLATE
TRYPSIN	„ GLYCOCHOLATE

ORGANO-THERAPEUTIC PRODUCTS
OVARIAN, THYMUS & THYROID SUBSTANCES, &c.

Address inquiries, orders, &c., to

MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills :

1s. 3d. size	...	...	...	...	10s. 6d. per doz. net.
3s. 0d. „	...	...	...	...	26s. 6d. „ „
5s. 0d. { new size	...	...	...	...	50s. 0d. „ „
contains double the quantity of 3/- box.					

Beecham's Cough Pills:

1s. 3d. size	...	...	...	...	10s. 6d. „ „
3s. 0d. „	...	...	...	...	26s. 6d. „ „

Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ltd., St. Helena."

ALL REACTIONS of the Body Fluids and Tissues are **COLLOIDAL**.

"Collosols" are pure and stable colloidal solutions, isotonic and isomorphic with the elements of the body.

CROOKES'
COLLOSOLS

"Collosols" are tested by ultramicroscopic bacteriological and clinical experiment.

COLLOSOL SULPHUR

Collosol Sulphur is not presented as a substitute for the Spa treatment of such affections where Spa treatment is available, but as a supplement to it. A course of treatment at a Spa can be followed up by the exhibition of Collosol should relapses occur.

For patients who are unable to take a course of Spa treatment, practitioners will find Collosol Sulphur invaluable.

It is prepared in five different forms—for external use and bath medication, for internal administration, for injection, and as a cream, with which the affected part is gently massaged. Also as an oil for the scalp.

Also the following COLLOSOL Preparations:—

ARGENTUM, ARSENICUM, CUPRUM,
FERRUM, HYDRARGYRUM, IODINE,
MANGANESIIUM, PALLADIUM.

Kindly Note Change of Address

Particulars, Literature, and Reports from

The CROOKES' LABORATORIES

22 CHENIES STREET, TOTTENHAM COURT ROAD, W.C. 1.

Telephone: MUSEUM 3663.

CHEMISTS!

100% PROFIT

HAVE YOU STOCKED

CITON

TABLETS ?

CITON offers you a bigger margin of profit
than any other advertised aperient.

SOLE AGENT (U.K. & COLONIES)—

MARCEL BLOCH,

30/32 Ludgate Hill,

LONDON, E.C. 4.

Agents wanted—Town and Country.

O
L
I
V
E
S

A SPECIALITY

EDIBLE
PHARMACEUTICAL
TECHNICALROBINSON, THOMPSON & CO.
22 DENMAN STREET, LONDON, S.E. 1Telegrams:
"Fundless, Boroh, London."Telephone:
Hop 4307.Genuine Russian **LIQUID PARAFFIN**

All gravities, correct viscosities

B.P.1914"Jasmine Brand" **ADEPS LANÆ** Superfine
Anhydr.
and Hydrous
LanolineFinest Qualities"Jasmine Brand" **PETROLEUM JELLIES**
White and YellowCompetitive
Prices."Jasmine Brand" **WHITE OILS** Chem. Pure, Water-white,
Tasteless, Odourless

FOR MANUFACTURING PURPOSES

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.3 St. Helen's Place, LONDON, E.C. 3.

Actual Refiners and Manufacturers at their Works near London.

WE SOLICIT YOUR ENQUIRIES FOR:—

OLIVE OILS, finest cream edible B.P.
SALAD OILS
PETROLEUM JELLY, B.P., White and Yellow
TURPENTINE, American Spirits and Substitutes
CASTOR OILS, all grades
COLZA OIL, finest and burning qualities
ROSIN, all grades
LINSEED OILS, Raw and Boiled
MINERAL OILS, Bloomless "Lux" Brands
WHITE OILS, Slab and Commercial
LUBRICATING OILS of all descriptions

JAMES ARNOTT & SONS, Ltd., Newcastle-on-Tyne and Cardiff.

Registered Offices: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

White & Half White Oils

WHITE PETROLEUM JELLIES
WHITE REFINED
PARAFFIN WAXES

HILTON RIDER & CO. L^{td}
Manufacturers, Importers, Exporters
Tel No. Hop 837
9329 Gt. Suffolk House.
T.A.: Oilbird Southwark, London, S.E.1
Sedist, London

TECHNICAL AND MEDICINAL
WHITE OILS.
PETROLEUM JELLIES.
PARAFFIN WAXES.
NEUTRAL OILS,
Debloomed and Undebloomed.
PALE & RED LUBRICATING OILS
CYLINDER OILS.

W. J. SMITH, *SOLE EUROPEAN REPRESENTATIVE.*
THE JAMES B. BERRY'S SONS CO. Inc.
110 Cannon Street, London, E.C.4.

Wells' Removable Bung Pour
(PATENTED).

For emptying Casks without Pump, Tap or Stillage. Applied to and removed from any cask instantly. All waste and mess prevented. More rapid in action than a pump. Will fit any ordinary cask from 20 to 60 gallons.

Does not damage the cask.



A. G. WELLS & CO. 90 Midland Road, St. Pancras, N.W.1 **LONDON.**

Langley-Smith & Co.

Castor Oils, *Medicinal,
Lubricating.*

Colza Oils, *Best Pure,
Prepared.*

Linseed Oils,

*Best Raw,
Double Boiled.
Refined,*

Turpentine,
Best Pure Spirit.

Substitutes,
Best Grade.

Samples and Prices on Application.

**14-20 St. Mary Axe
London, E.C. 3**

Telegrams—"Tallowdom London."

Tel. No.—Avenue 30.

**OLIVE
OIL** GENUINE

and

OLIVE OIL SOAP

LEON FRENKEL,
10 LIME STREET,
LONDON, E.C. 3

**RUBY
GREEN
YELLOW**
**BRILLIANTINE
OILS**

Any Quantity—from Stock
Wholesale Only.

WM. BORTHWICK
1 and 2 Staniforth Place, HULL

Telephone—Hull Central 4054Y (Trunk only)

Francis F. Fox & Co. : Bristol

OILS METHYLATED SPIRIT CHEMICALS DRYSALTERY

PRICES ON APPLICATION.

TELEGRAMS—
"FOX BRISTOL."

TELEPHONE—
19 BRISTOL.

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN

B.P.

WHITE OILS

Send us your inquiries.

J. I. FRANCES & SONS,
LIMITED,

80a Southwark St., LONDON, S.E. 1.

PAINTING MATERIALS

Rayolene Black Japan

The ideal preparation for Cycles, Gas Stoves, Fire Ranges, Mail Carts, etc., etc. Guaranteed free from methylated spirits, and the same high-class quality as supplied to coach and carriage painters.

In Tins to retail at 10d., 1/6 and 2/10

Rayolene Oil Varnish Stains

Far superior to the old quick-drying spirit varnishes and much easier to apply. Made in Oak, Walnut, Mahogany and Ebony.

In Tins, to retail at 10d., 1/6 and 2/10

SPECIAL OFFER. One box containing an assortment of above, your selection, sent carriage paid, for 54/- net; 3 boxes less 5% discount, one box contains 8 doz. 10d. size, or four dozen 10d., and two doz. 1/6 size.

Rayolene Home Dyes

THE HOUSEHOLD FAVOURITE. For Wool, Silk, Cotton, or mixed goods.

To retail at 4d. and 6d. per packet.

Write for complete Price List of Paints, Varnishes, etc.

TEXALO MANUFACTURING CO.

Paint and Varnish Manufacturers,
SOUTH SHORE, BLACKPOOL, LANCs.

To meet demand created by
PRESS ADVERTISING
now being placed,

STOCK

VITTEL
GRANDE SOURCE

Vittel Grande Source is a still medicinal water, and also a mineral table water for the elimination of uric acid. Vittel Grande Source is a slightly mineralised non-chloride-bearing water—it is the water for the Arthritic. Should be taken frequently, but can be taken at all times at meals, between meals, and between.

For Trade Prices and all Particulars, apply to

VITTEL NATURAL MINERAL WATER CO.

LONDON OFFICES: 3 MANCHESTER STREET, W.1.

Put Osmos in your window!

In view of the continuous advertising of, and the rapidly growing demand for, this British Aperient Water, it will pay you to become known in your district as "a chemist who sells Osmos." It is on the P.A.T.A. at 2/6 per bottle.

Osmos The Great British
Aperient Water

EASY TERMS.—Six boxes sent carriage paid in Great Britain and Ireland on receipt of P.O. or remittance for 13/-. Case returnable, when received carriage paid, the charge 2/- will be credited in full, or if retained, 1/-, viz. half-cos. will be credited.

Osmos, Crown Wharf, Hayes, Midsex.



THE CHEMISTS' APERIENT MINERAL WATER

Aquaperia
(Harrogate)

P.A.T.

2/6 per d.
allowed f.
Empty Bot.
returned.
Carriage F.
to our Fac.

Standardised & Bottled by CAMWAL, Ltd., at their Spring at Harrogate.
Supplants Apenta, Hunyadi-Janos and German and Austrian Waters of similar Character.
Of all Wholesale Houses, HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL, and "CAMWAL" LTD. MITCHAM, LONDON, & DEPOTS. Special Exp. F.O.B. quotations please specify.

Natural Mineral Waters

WE beg to inform the Trade that we are now regularly receiving consignments of Natural Mineral Waters from the Continent and other parts of the World.

AESCULAP
AIX - LES - BAINS (DEUX
REINES)
ALET
APENTA
APOLLINARIS
BARIUM
BONNES
BOURBOULE, LA
BUFFALO-LITHIA
BUXTON
CARLSBAD
CARLSBAD SPRUDEL SALT
CHALLES
CHATEL GUYON
CHELTENHAM SPA
CONDAL
CONTREXEVILLE-
PAVILLON
COULSWORTHY
EVIAN-CACHAT
FARRIS
FLITWICK
GIESSHUBLER (MATTONI)
HUNYADI JANOS
INSALUS
KREUZNACH
KRONENQUELLE
LEAMINGTON SPA
LEVICO

MALVERN (ALPHA)
MONT DORE
MONTMIRAIL
MONTREUX
NOCERA UMBRA
PELLEGRINO
PERRIER
PLOMBIERES
PLUTO
POLAND
ROYAT
RUBINAT-LLORACH
RUBINAT-SERRE
ST. BOES
ST. GALMIER
ST. MARCO
SANGEMINI
SELTERS (IN STONE JUGS)
STRETTON
SULIS
TANSAN
VALS
VICHY-CELESTINS
Do. HOPITAL
Do. GRANDE GRILLE
VITTEL
VILLACABRAS
WOODHALL SPA
WOODHALL MOTHERLYE

PRICES OF THE ABOVE QUOTED ON APPLICATION.

Any Natural Mineral Water not in stock, if procurable, can be imported to special order during the Season.

INGRAM & ROYLE, Ltd.

BANGOR WHARF, 45 BELVEDERE ROAD, LONDON, S.E.1.

Telephone: HOP 4343 (2 lines).

Telegrams: "INGRAM ROYLE, WATLOO, LONDON."

LIVERPOOL, 19 South John Street.

Telephone: BANK 4528.

Telegrams: "CELESTINS LIVERPOOL."

BRISTOL, Bath Bridge.

Telephone: 1113.

Telegrams: "SPRUDEL BRISTOL."



The Quenching Twins' message this week is :
"Read the terms below for the fastest
selling summer line ever produced."

Quencholeen LEMONADE

"The Perfect Summer Drink."

**For an outlay
of £3 : 12 : 0**

less 2½ % cash with
order, your order would
be 6 doz. cartons. These
sell at 1/6 each, yielding
£5 : 8 : 0, and showing
a return of £1 : 17 : 10.
This represents a profit of
52½ %.

**For an outlay
of £7 : 4 : 0**

less 7½ % cash with
order, your order would
be **one gross** cartons.
Selling at 1/6 per carton,
this yields £10 : 16 : 0,
and shows a return of
£4 : 2 : 8. This re-
presents a profit of 57½ %

Send your **FIRST** order **NOW**—your second
will follow as a matter of course—"repeat"
business is assured with **QUENCHOLEEN**

Violiv Manufacturing Co.,
26 Haymarket Terrace, Edinburgh

Selling Agents for England, Ireland & Export:

PATTINSON & MACKIE, LTD.,
Albion House, 59 New Oxford Street, London, W.C.1

LOSALL'S SALT

SELLS FREELY & READILY

PAYS 50% ON OUTLAY

An Infallible
Remedy for

GOUT,
RHEUMATISM,
ECZEMA,
and
SKIN
AFFECTIONS.

P.A.T.A.	Doz.
4 oz. Tins	1/- 8/- net
8 oz. Tins	1/10 15/- "
Bottles	2/6 20/- "

The only line of its
kind on the market.

SOLD
EVERYWHERE.

Manufactured by
LOFTHOUSE & SALTMER, Ltd., LILL



Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FI AND
PROTECTED PRICES.

Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep over to
stock, if for any reason you have difficulty in obtaining supplies
send postcard direct to us, and a list will be sent to you by ret.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON E.

All advertising matter—Booklets, Window Displays
Snowcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon Price
List we issue to the trade, and we are pleased to exchange articles
which may be out of condition.

Vinum Xericum

BUTTS.
108 galls.

HOGSHEADS.
54 galls.

QR. CASKS.
27 gals.

STRENGTH 17°

James V. Oldham

19 St. Dunstan's Hill, London, E.C.3.

Telephone Avenue 3013.



ESTABLISHED 1785.

R. J. F. & B.'s world re-
nowned Dairy Preparations
are used and recommended at
the PRINCIPAL DAIRY
INSTITUTES and command
by far the largest sale in
Great Britain.

ANNATTO RENNET

"Geo" and "Sunbeam" Butter
Colouring. Rennet Powder,
Essence of Rennet, Junket
Tablets.

RENNET WORKS, ELLESMERE, SALOP.

Offices:

1, 3 and 35 Beviden Street, Hoxton,
LONDON, N.

J. GREEN

TRADE MARK

MADE IN ENGLAND BY J. GREEN

REGISTERED

SIZE 1 1/2 CM

FILTER PAPER

BRITISH MADE

Filter Papers

CORRESPONDING TO THE GERMAN
Nos 595, 597, 598, 602, 604, etc.

ALSO

Ashless Filters

replace German and Swedish makes.

589¹—589²—589³—207.

No. O—No. IF.

SOXHLET THIMBLES.

FOLDED FILTER CIRCLES, etc.

For Samples and Prices apply to any of the leading
Laboratory Furnishers.

Makers—
J. ARCHAM GREEN & SON,
Hay Mill, Maidstone, England.

ACETIC ACID

Canadian  Product.

SPOT & FORWARD DELIVERIES:

PURE, for edible purposes 80%

PHARMACEUTICAL grade,

water-white, 99/100 %

GLACIAL Acid 98/100 %

TECHNICAL Acid 80%.

STOCKS HELD IN LONDON
AND LIVERPOOL

SPECIAL GRADE for RUBBER
INDUSTRY.

*Packed in Demijohns.
Direct Shipment.*

A. Boake, Roberts & Co., Ltd.

Manufacturing Chemists,
Stratford, London,
E.15.

Season—1920.



COD LIVER OIL

GUARANTEED GENUINE.

Manufacturers:

BRØDR. AARSÆTHER A/S, Aalesund, Norway.
LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

Wholesale only.

No Retail Orders Executed

Agents: FREUDENTHEIL & CO. 21 Mincing Lane, LONDON, E.C.3.

Tel. Add.: "FREUDENRUF" Codes used: A B C, 4th & 5th Edit.; and Private. Tel. 12513 Central

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO., LTD.

The Largest Makers in the United Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India Buildings, Water St., Liverpool.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.3.

Extract of Malt

and

Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

THE
BRITISH DIAMALT CO.

BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
H. D. & C. T. TAYLOR

"TOWER" EARTHENWARE FILTERS



Sizes from 1 Gallon to 10 Gallons.

Specially suitable for

**ACIDS, ESSENCES, AND
PHARMACEUTICAL
PREPARATIONS**

**"FARJAK" ASBESTO
FILTERING MEDIUM**

for use with the above—Pure and Neutral.

**Filling, Corking, and
Capsuling Machines.**

FARROW & JACKSON, LTD.

ESTABLISHED 1798.

16 Great Tower St., LONDON, E.C.3.

TELEPHONE: 787 TRAFFORD PARK.

TELEGRAMS: "STEVENUT MANCHESTER."

CONTRACTORS TO H.M. GOVERNMENT.

G. STEVEN & CO.

Wholesale Chemists & Drug Grinders,
CORNBROOK STREET & CHORLTON ROAD,
MANCHESTER.



— — — — —

This Showcard, lithographed in three colours is supplied with all orders.

Prices for large quantities on application.

— — — — —

FOR SULPHUR TABLETS.

A Granular Saline,
sugar sweetened,
pleasant, refreshing
and effective.

PRICE.

8/- per dozen tins.

16/- " " bottles
6 oz.



FOR MORNING ROUSER

"BELL & DRAGON"



Registered Trade Mark.

BRAND

SOME SEASONABLE LINES

BATH POWDER

In 10-oz. barrels

EFFERVESCENT SALINE

In Kalis

HEALTH SALT

In decorated tins

JUNKET TABLETS

Tubes of 20 in Cartons

SACCHARIN TABLETS

In gilt tins (pocket size)

SELTZOGENE POWDERS

3pt. 5pt. 8pt.

SUNBURN CREAM

In 4-oz. white glass fl ts

ROSEMARY & CANTH. HAIR WASH

In 4-oz. sprinkler-top bottles

*Quotations**on**Application*

If you have not already received it, write for the new issue of

"CORBYN'S POST"

A short monthly list of pharmaceutical products and packed goods for the use of chemists, supplied at advantageous prices.

CORBYN, STACEY & CO., LTD.,

BRUNTON'S WHARF,

673 COMMERCIAL ROAD EAST, LONDON, E.14.

Telephone No. : EAST 1833

Telegrams : "Colocynth, Step, London."



HEALTH SALT

Finest Quality in handsome Blue, Red and Gold Tins — 4-oz.

List Price — 8/6 per Doz.

Special Offer—Present Stock only.

1 Gross, Carriage Paid, 8/3 doz. — Prompt Cash.

5 „ „ „ 8/- „ „ „

SALINES

The best Saline, in round white glass bottles, capped white skin, artistic blue-and-white labels.

UNLIMITED STOCKS.

4-oz. Bottles (Fluid Capacity) - - 10/9 doz.

6 „ „ „ „ - - 13/9 „

8 „ „ „ „ - - 17/9 „

Name and Address free on 6-doz.

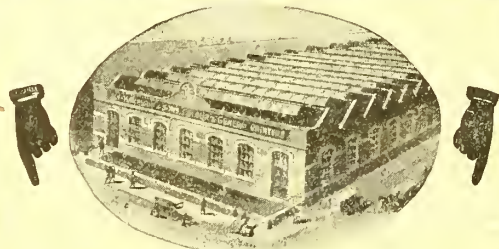
Carriage Paid - £5 orders.

Samples and Quotations for Larger Quantities on Application.

EVANS, GADD & CO. LTD.
BRISTOL ————— and ————— EXETER.

SOME REASONS WHY

We are the Leading Chemists' Printers.



1. **Because**—We print the finest Showcards, Folding Boxes, Booklets, Shampoo Envelopes and Prescription Envelopes.
2. **Because**—We turn out high-class Labels neatly and quickly.
3. **Because**—We are always at your service and are determined to give you satisfaction.

ALF. HARRISON & SONS,

Advertising Specialists & Chemists' Printers,

224 Burley Road, LEEDS.

Telephone : 26674.

Telegrams : "Ideas Leeds."

FREDK. FINK & CO.,

11 10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRIVATE FORMULAS.

Toilet Specialities, Perfumery, Powders, Medicinal Preparations, Ointments, Etc.

OWN MATERIALS FINISHED OFF.

THE EXCELLA Co. 8 SYON ROW, TWICKENHAM.



CACHETS "FINOT"

(White or Coloured),
With Inscriptions in any desired tint; also Plain or Embossed.

"A distinction all their own."—C. & D.
"Perfection of Cachets."—Lancet.

"These Cachets are especially adapted for Headache, Neuralgia and other powders."

COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.

In 17 Sizes, to fit the various types of Cachet Machines

ANTHONY LEIGHTON'S
Best Shampoo for Children.
6 Doz & 1 Doz Bonus Carriage paid at once

Sells at 8d per packet (2 shampoos). Costs you no effort to sell, because it is so attractively put up. Thoroughly well advertised and does all that is claimed. Surely this constitutes the IDEAL line to sell.

43% PATA PROFIT.

ALWAYS IN THE PRESS

LEIGHTON LABORATORIES 35 GRAYS INN ROAD, W.C.1.



LABELS

AND

ALL PRINTING

FOR

CHEMISTS.

SEND US YOUR NEXT ENQUIRY

HEAD OFFICE & WORKS:
EXETER.

LONDON OFFICE:
2 & 3, STONECUTTER ST.

PRECIPITATED CHALK

Lightest and Whitest, also Purest Dose

Aug. Levermore & Co., Ltd. 8-10 Gt. St. LONDON, W.C.

Telegrams : "Levermore London." Telephone : Central



SHADEINE FOR COLOURING GREY

This popular article is largely advertised and stocked by all Wholesale Dealers. Trial size 8d., per post 1/3 1/2. Medium post 1/7; Large, 3/6, per post 8d. size 6/- doz.; 1/4 size 12/- doz. 3/6 doz.

THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

TINORI PAINLESS CORN CURE

P.A.T.A. 1/3 From all Wholesalers.

Write for Special Offer terms to

E. MAC SWEENEY, Manufg. Chemist, CO.

YOU CANT GO WRONG
Quina Quenna
BETTER THAN A SHAMPOO
YOUR PATA PROFIT.

in showing this Hair Grower and Shampoo It's so all the time and sale sure if you only see

4 Dozen 6 Dozen & 1 Dozen Carriage paid at once

CHRISTY Old Swan

VITMAR

THE NEW FOOD FOR GROWING CHILDREN
is now in great demand

**CHEMISTS CAN OBTAIN IT
FROM THEIR WHOLESALERS**

RETAIL PRICE

2/3 per jar

4/3 " "

8/- " "

WHOLESALE PRICE

21/7 per doz.

40/9 " "

76/10 " "

Manufactured by

CALLARD & CO.

CALLARD, STEWART & WATT, LIMITEE,

Food Specialists,

74 REGENT STREET, LONDON, W.1.

**LIQ. SANTAL FLAV.
C. BUCHU et CUBEBA**

(Hewlett's)

Packed for dispensing only,
in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

Of proved utility in Nervous Diseases,
and a powerful Restorative for the
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1 1/2 oz. Tin ...	9/- per doz.
" 2.	3 1/2 " " ...	14/6 " "
" 3.	6 1/2 " " ...	24/- " "
" 4.	12 " " ...	42/- " "

**MIST. PEPSINAE CO.
C. BISMUTHO**

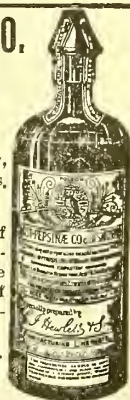
(Hewlett's)

Packed for dispensing only,
in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.

Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.



VITAMOGEN contains the essential *Vitamines* in an active and concentrated form. **VITAMOGEN** is in itself a food of the highest potency, rationally concentrated according to approved scientific methods. It is rich in organic, i.e. assimilable Phosphorus, and the proportion of nutritive constituents is well balanced to meet the physiological needs of the organism. **VITAMOGEN** stands alone as a means of supplying the *Vitamines*—an entirely new food element. **VITAMOGEN** is packed in two sizes, 2/9 and 5/9, obtainable from all the principal wholesale houses. Literature on **VITAMINES** will be sent on application to:

24-26 HOLBORN,
LONDON, E.C. 1

Vitamogen
LTD.

OYLERS' TRANSPARENT RUBBER TEATS

ENSURE PROTECTION

IN THEIR PARTICULAR PROVINCE as they are of the best manufacture, standing all tests, including boiling—are easy for the baby, and possess the characteristics of great cleanness. All parts accessible and durable.

SPECIAL DESIGNS FOR SPECIAL HOME AND OVERSEAS MARKETS.

Write at once to your wholesaler and get the share of the business in your district.

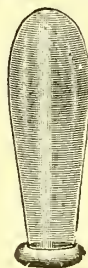
OYLERS' Ltd

35 New Cavendish St., Harley St., London, W.1.

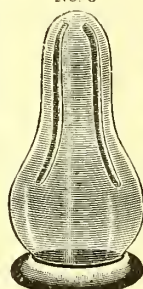
Wires: "Oylerism, Wesdo. Lon lon."

Phone:

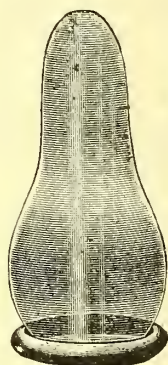
Mayfair 36 & 37.



No. 3



No. 50R



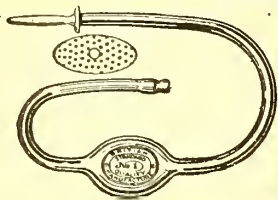
No. 41



No. 45



No. 51R



ENEMAS

Whirling Sprays and
Surgical Rubber
Goods

of all descriptions.

Wholesale only.

Prompt delivery.

Manufactured by

THE BRITISH RUBBER MANUFACTURES, LIMITED,

Offices: 161 New Bond St.,

London,

W. I.

Works: Agnes Works,

Agnes Road,

Acton, W. 3.

Sole Agents:

H. & W. GREER, LTD., Greer House, MOORFIELDS, LONDON, E.C.2.

BATHING CAPS

OF
QUALITY
AND
DESIGN

Bathing
Costumes

Sponge
Bags.

WATER-WINGS AND PADDLERS

WILLIAMSON BROS.,

54 Lower Thames Street, London, E.C.3.

Northern Showrooms: 49 Deansgate, Manchester

Telephone: AVENUE 5827.

ALL ENTERPRISING DRUGGISTS
ARE NOW USING

Gummed Tape

FOR THEIR PARCELS.



ASK YOUR STATIONER FOR FULL
PARTICULARS.

SAMUEL JONES & Co., Ltd.

Gummed Tape Makers,
Bridewell Place - LONDON.

CYNTHA MFG. CO.

(Props., Robert Bailey & Son, Ltd.)

STOCKPORT.

Works:

ST. THOMAS PLACE,
STOCKPORT.

London Warehouse:

151/7 GOSWELL ROAD.

Summer Season 1920

BATHING CAPS

Oiled Silk, in a variety of colours and unique trimmings.

Per Box of 1 dozen *assorted* 24/-

INFANTS' WADERS

WATERPROOF, WITH ELASTIC WAISTBANDS.

No. 181 Check Sheeting doz. 25/-

„ 182 Cream Colour Batiste „ 32/6

WITH SHOULDER STRAPS.

No. 179 Check Sheeting „ 37/6

„ 180 Cream Colour Batiste „ 45/-

SPONGE BAGS

CHECK SHEETING.

Nos. 1	2	3	4	5
6/-	7/-	8/6	10/-	12/6 doz.

COMPRESSED SANITARY TOWELINES

Size 1, 18/- Gross.

Size 2, 22/6 Gross.

Order Early.

SURGICAL COTTONS SURGICAL SILKS HOSPITAL SHEETINGS RUBBER SHEETINGS BATISTES

EDWARD MACBEAN & Co., Ltd.

Manufacturers of Oil-proofed Cloths of every description.

London Office - 6, 8 Lime Street Square, E.C. 3.

123-125 Howard Street - - - GLASGOW.

Telegrams { "Diamond Glasgow."
"Stormproof. Led. London."

Telephones { 8387 Central.
1995 Central.

COMPRESSED MOSS

SPHAGNUM.—The Turf Moss is the *most absorbent* and generally useful surgical dressing. It absorbs twenty times its weight of moisture.

As compressed by us in sheet form it is pre-eminently convenient. The sheet may be used as it is, or loosely crushed and placed in extemporaneous muslin bags.

The moss in this form swells up the moment the moisture comes in contact with it, and the dressing so formed is *resilient, spongy, and comfortable* to the patient.

Being compressed, it is ideal for storage and transit.

SAMPLES AND PRICES AT YOUR DISPOSAL.

W. MARTINDALE

10 New Cavendish Street, London, W.

Telegrams:

"Martindale, Chemist, Wesdo,
London" (3 words).

Telephones:

Gerrard 4688;
Paddington 1797

VINCENT WOOD

For British Made



VINCENT WOOD'S
TRUSSES
ARE THE BEST

Trusses, Be
Suspensori
Elastic Hosi
Webbs & Sur
Appliance

Purchase no Goods, and from British Firms

Victoria House, 91/93 Newington Causeway, LONDON E.

GOOD SELLING LINES, GOOD PROFITS,
AND ABSOLUTE SAFETY IN STOCKING

"HOBSON'S CHOICE"
FEET PLAISTERS
AND POWDERS

STOCK IS RETURNABLE AT ANY TIME, OR
ANY REASON, AND FULL PRICE REPAID

For Prices and Samples apply to

HOBSON, TRIMBLE & CO., LD.
Union St., and Market, LEEDS
or your own WHOLESALE HOUSE.



Reduction in Price

Selling Price **6d.** per Pair.

Trial Three Dozen assorted sizes in substantial carton for counter or fitting **12s. 6d.**

If cash with order **12 -**

Stock Boxes containing Six Dozen assorted sizes from which carton can be refilled **24s. Od.**

2d. per dozen allowance if cash is sent with order.

Send for Sample Pair (state size) and Showcard.

Over 56% Profit on Outlay.

Stocked by all Sundriesmen, or direct from—

The Curasol Sock Co.,

19/20 Garlick Hill,

London, E.C. 4.

Remittances should be by Postal Orders, Money Orders, or Cheques, and crossed *to the order of* Pagee, Lloyds Bank.



"NORVIC" CRÉPE BANDAGE

(REGD)



SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Available for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb moisture readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in belled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

The NORWICH Crape Co. (1856) Ltd. (ST. AUGUSTINE'S SILK MILLS), Norwich, Eng.

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bermondsey Street London, S.E.1.
London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 7 Wool Exchange, E.C.2

*"Mou tain-
eering is no
longer
impossible."*

Belladonna Plasters. Breast Plasters.

Attractively wrapped, best quality, readily saleable.

Breast Plasters are shaped and have small unperforated margin.

ZOPLA (Zinc Oxide Plaster) in small attractive tins in three colours.

Also on spools and in rolls. *The most popular Strapping.*

Strengthening, Corn and Bunion, Mustard, Rubber Adhesive, Holland Strapping, Plumbi Base, and all other Plasters.

HELVIA CRÉPE BANDAGES.

Write for complete List.

WHOLESALE ONLY.

LESLIES, LTD., 62 London Wall, London, E.C. 2.



HAVE YOU SEEN our value in BATHING CAPS ?



The LA VICTOIRE

All rubber, helmet shape
with stockinette lined band,
art colours.

Note Price, 23/- doz.

No. 286. — Cheap line
(limited quantity only). All
rubber, seamless, assorted
colours.

10/- per doz.

No. 269. — Circular check
waterpr. of.

10/- per doz.

Various other fancy lines in
stock.

SPONGE BAGS—Check Waterproof—

1, 4/6 ; 2, 6/6 ; 3, 8/- ; 4, 9/- ; 5, 12/- ; 6, 14/6

.. Brown Twill— doz.

1, 5/3 ; 2, 6/6 ; 3, 8/- ; 4, 10/- ; 5, 12/6 ; 6, 15/-

All Kinds of Surgical Rubber Goods

JAMES TOMPKINS, LTD.

THE RUBBER HOUSE,

386 City Road - LONDON, E.C. 1

ALL BRITISH. Established 44 years. Phone : City 7640.

VULCANITE DOUCHE FITTINGS

(Sets of three parts)

Whirling Spray Canules

(Best French Make).

Can be obtained from stock at very reduced prices from

RENÉ HEYMANS

9/10 DOMINGO STREET

Tel. : CITY 3765. (36 OLD ST., E.C. 1)

Also in stock :

BONE SOOTHER MOUNTS

SHIELDS

"

"

RECTAL PIPES

CHEAP NAIL FILES and CLIPPERS

SAFETY RAZORS and BLADES

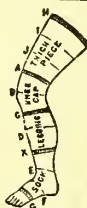
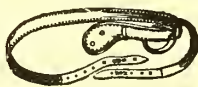
TOOTH BRUSHES, &c. &c.

J. H. HAYWOOD, LTD.

CASTLE GATE
NOTTINGHAM

INVENTORS
OF
SEAMLESS
ELASTIC
HOSIERY.

SURGICAL APPLIANCE
MANUFACTURERS.



Specialities :

Abdominal Belts,
Trusses,
Suspensory Bandages
Braces,
Elastic Web Bandages
and Druggists' Sundries

WRITE FOR PRICE LIST.

ESTABLISHED 1833.

TELEGRAMS : "APPLIANCE NOTTINGHAM"

MERCERISED CORDS

FOR TYING UP PERFUMERY, &c

CORDS FOR SPONGE BAGS

CORDS FOR SOOTHERS

MEDICAL TWINES

ALL SIZES AND COLOURS IN STOCK

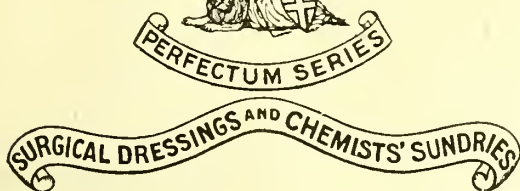
The Albion S.C. Co., Ltd. FAWLEY MILLS, London, N.17

PHONE-1121 TOTTENHAM.

TELEGRAMS-"ENCAGED, PHONE, LONDON"

Telegrams :
Aybelim, Finsquare,
London."

Cables :
ode A B C, 5th Edi io 1



Telephones :
CLERKENWELL 1347
" 1348
" 1349
(Private Exchange).

*Our Latest Designs in Novelties can
now be inspected in our New Showrooms*

**BATHING CAPS, BATH GLOVES,
SPONGE BAGS, HOLDALLS, PUFFS, Etc.,**

of EXQUISITE TASTE and NEW MATERIALS.

A GOOD ASSORTMENT OF

**COMBS, BRUSHES, MIRRORS, CUTLERY,
MANICURE SETS, VACUUM FLASKS,**

SUITABLE for ORDINARY and HIGH-CLASS TRADES.

FAVOURABLE PRICES

PROMPT DELIVERY

ARTHUR BERTON, LTD.,

Manufacturers, Import and Export Merchants

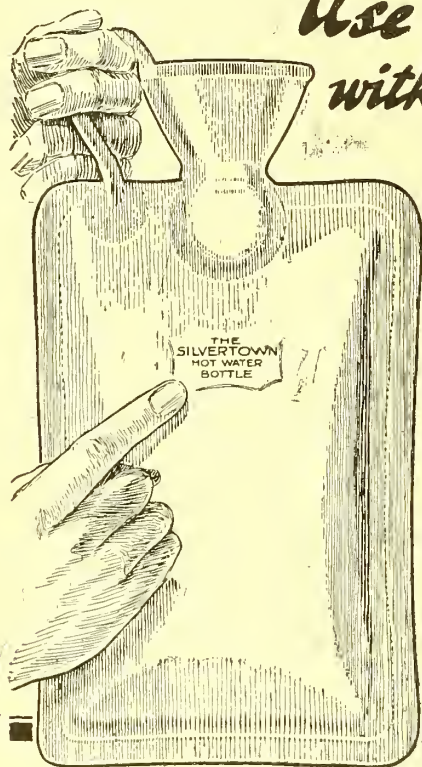
Registered Office, Showrooms and Warehouse :

5/17 Worship Street - LONDON, E.C.2

6a Market Street - - - MANCHESTER

1 Miller Street - - - GLASGOW

Use the Hot Water Bottle with the Silvertown Reputation



The name of "Silvertown" has acquired a reputation for sterling quality and reliable service. If your customer wants a high-grade bottle, sell him a

Silvertown

Made in the usual standard sizes. Customer's name lettered free on all bottles when not less than three dozen assorted sizes are ordered at the same time.

The India Rubber, Gutta Percha & Telegraph Works Co.
(The Silvertown Company) Ltd.

HEAD OFFICE: WORKS:
106 Cannon St., London, E.C. 4. Silvertown, London, E. 16.

BRANCHES:
HOME—Belfast, Birmingham, Bradford, Bristol, Cardiff, Dublin, Glasgow, Liverpool, London, Manchester, Newcastle-on-Tyne, Portsmouth, Sheffield.
ABROAD—Adelaide, Buenos Aires, Calcutta, Christchurch (N.Z.), Durban, Johannesburg, Melbourne, Sydney.



Vacuum Flasks (all Aluminium)
1-pint Size 6/6 each.

Loofahs 8/10" 10/12" 14/16"
2/- 2/6 5/6 doz.

Whalebone Hair Brushes
60/-, 66/-, 72/- 78/- (dome top) doz.

Loofah Socks Women's 4/6 doz. prs.
Men's 5/6 doz. prs.

Boracic Socks Women's 4/- doz. prs.
Men's 4/- doz. prs.

Nail Scissors (Bent) 2/3 pr.
(24/- doz. pairs, for 1 doz. lots.)

THOMAS SWALES, Druggists' Sundryman,
24 Butts Court, & 89 Albion St., LEEDS

For GUARANTEED
ATOMIZERS and SPRAYS
THE DEVILBISS Co., LIMITED
71 NEWMAN STREET, LONDON, W.1.

T. SHERBORNE & CO.
Surgical Appliance Manufacturers.
Manufacturers of Surgical Abdominal Belts,
Ladies' and Gents' of every description.
WHOLESALE ONLY.
HONOR OAK PARK, S.E. 23. Phone: Sydenham 4

MANUFACTURER OF
**ELASTIC GUM CATHETERS
AND BOUGIES**
WHOLESALE AND EXPORT.

Contractor to India Office, War Office, Admiralty,

**E. BRASSE, Culvert Works, Culvert Road,
South Tottenham, N. 15**

Telegrams:
"ARTAPANUS LONDON."

Telephone:
TOTTENHAM 10

ust Arrived.

A Limited Consignment of

THE

"PORTIA"

(Regd.)

NET WEIGHT

Baby Balance

Weighs up to 15 lb.

Price	Retail
30/-	3/6
dozen.	each.

Owing to restricted imports this line has been off the market for some time, and we think that many friends will be glad of the opportunity of renewing their stock.

SOLPORT BROS., Ltd.

3 to 190 Goswell Rd., London, E.C.1.

Obtainable through all Wholesale Houses.

BOTTLES

CANNONS,
BRILLS, LIMES,
PERFUMES,
BAY RUMS,
KALIS, CARBOYS

WHOLESALE ONLY—PROMPT DELIVERY.

J. H. DORING, 7 King St., Cheapside, E.C.2
Telegrams: "Doringlase. Phone. London" Telephone: City 4009.

PIES AND SMOKERS' REQUISITES

Price Lists on Application.

HARWOOD BROTHERS.

BRIAR PIPE MANUFACTURERS,

8/20 Richmond Street, LIVERPOOL.

WHOLESALE
ONLY. MANUFACTURERS OF

Established
1901

Surgical Dressings,

Absorbent Lints, Bandages,
Cotton Wools, Gauzes, &c.

Samples and prices on application.

VERNON & CO., Ltd., Penwortham Mills, PRESTON.

Also 9 Fore Street Avenue, LONDON, E.C.

Branch Works—Waterfold Mills, Heap Bridge, BURY.



Why Demand is still Growing.

Demand for the Nestlé Feeding Bottle is still growing—and it is growing because it is superior to any other feeder on the market. Its many advantages are so evident that mothers, thinking of the safety and comfort of their babies, are insisting upon the Nestlé Feeder.

The teat and rubber valve of the Nestlé Feeder are made with inner rolls which automatically cling and cannot be pulled off by the child. There is not the usual danger of swallowing the teat as in many other feeders. Pure plantation rubber is used in the manufacture of the teat and valve. Colic is prevented by the rubber valve regulating the flow of air behind the milk. This valve also ensures a steady milk flow in accordance with baby's need.

The central base, tapering flat under surface of the virgin glass feeder enables it to be tilted to, and remain in, any desired position. This saves the time usually occupied holding the feeder. It holds more—the feeding capacity is 10 oz.—sufficient for any child at one feed.

NESTLÉ Feeding Bottle

Every part of the Nestlé Feeder, including box, is British made. Every Feeder is sterilised before leaving the factory.

The margin of profit to you is good and the turnover rapid. Write us for full details and current Trade Price List.

NESTLÉ'S (Advt. Dept.),

6-8 EASTCHEAP, LONDON, E.C.3.

The "LEICESTER" and "NATIONAL" MEDICAL PLASTERS

- ¶ Have a reputation for excellence of quality which is unsurpassed.
- ¶ They have been used regularly by the leading Hospitals, Surgeons and Pharmacists for nearly a hundred years.
- ¶ They have stood the test of time, and their reputation is increasing day by day.
- ¶ This reputation is a guarantee of best quality and best workmanship.
- ¶ The "Leicester" and "National" Plasters are sold at prices as favourable as their quality is good.
- ¶ Therefore you are safe when ordering your Plasters (all kinds) from

A. de St. Dalmas & Co., Ltd.
Leicester.

SURGICAL DRESSINGS

**ABSORBENT
GAUZES**

**ABSORBENT
RIBBON
GAUZES**

**ABSORBENT
WOOLS**

**ABSORBENT
LINTS**
(Plain and Medicated)

Telegrams—
"CARNEBROS, PHONE,
LONDON."
ABC Code, 5th Edition

Telephones—
DALSTON 3560
(two lines)

**ABSORBENT
GAUZE
TISSUE**
(Tubular)

**WOOD WOOL
WADDING**

**GREY CARDED
WOOL**

**JUTE TOW
PEAT MOSS**

CARNEGIE BROS.

BANDAGES

OPEN WOVE

CREPE

DOMETTE

FLANNEL

PLASTER
OF PARIS

CRINOLINE

Contractors
to H.M.
Government

227 229
Essex Road,
LONDON, N.

JACONETS

**HOSPITAL
SHEETINGS**

BATISTES

OILED COTTON

OILED SILKS

**GUTTA PERCHA
TISSUE**

PLASTERS

Packed to suit customers' requirements.

Special quotations for large quantities and contracts.

WHOLESALE AND EXPORT ONLY

Sutcliffe Bottle Dryer

ILLUSTRATION of a Combination Bottle Dryer specially designed for Manufacturing Chemists. Six to ten gross can be dried in the cupboard per hour, and at the same time large bottles can be dried on the tubes at the rate of two thousand a day of ten hours.

We have supplied scores of these machines, and can give references in every district in Great Britain. Among the best-known users are: Messrs. Allen & Hanburys Ltd.; Bleasdale Ltd.; Boots Ltd.; W. J. Bush & Co., Ltd.; W. B. Cartwright Ltd.; British Drug Houses Ltd.; Duncan, Flockhart & Co.; R. Gibson & Sons, Ltd.; Hirst, Brook & Hirst Ltd.; Johnson & Sons; Lofthouse & Saltmer Ltd.; Meggeson & Co., Ltd.; Yardley & Co., Ltd.; etc.

We also make special Plant for Drying Confectionery & Chemicals.

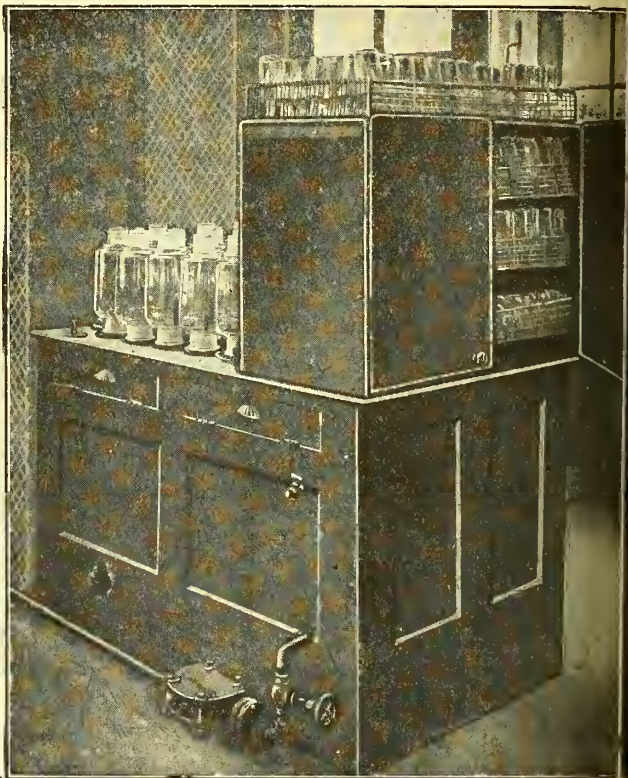
Illustrated Catalogue Sent on Request.

Sutcliffe Ventilating & Drying Co. Ltd.

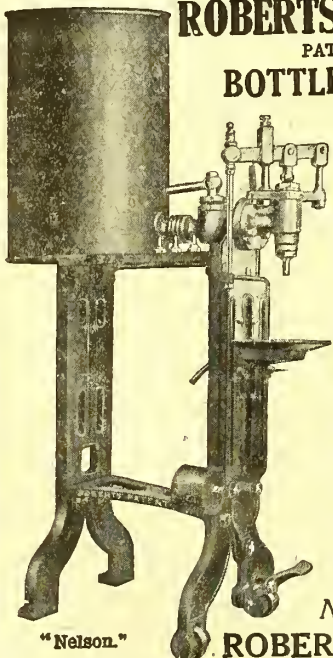
Cathedral Gates, Manchester.

Telephone No.:
3920 City

Telegraphic Address:
"Ventilabro."



ROBERTS' ORIGINAL PATENT BOTTLE-FILLING MACHINES



Don't waste money
on imitations, buy
Roberts'

Machines
which actually
Created the
Records

for
CLEANLINESS
SIMPLICITY,
and Rapidity in
Bottle Filling.

NOTE the address

**ROBERTS' PATENT
FILLING MACHINE CO.,**
33 ROUNDCROFT ST., BOLTON.

OUR LATEST PATENT "ALPHA" PRICE £14, WILL
FILL 10 GROSS BOTTLES PER HOUR.

Write for Particulars.

All rights reserved.

JACKSON'S "EXPRESS" BOTTLE FILLING MACHINE.

A NEW DESIGN on modern lines, of lightness & great strength, without clumsiness. Is quite fool-proof, all electric and other complications discarded. Extremely simple and adapted for girl labor. Dripless, owing to new rapid and perfect cut-off.

In face of all competition, has been adopted *during last year* by most of the best and up-to-date firms, such as:

AYRTON, SAUNDERS & Co. Ltd.
W. J. BUSH & Co. Ltd.
BUTLER & CRISPE
W. B. CARTWRIGHT Ltd.
THOS. CHRISTY & Co.
J. C. & J. FIELD Ltd.

C. W. JOHNSON & Co.
PARKE, DAVIS & Co.
POTTER & CLARKE
H. E. STEVENSON & Co.
UCAL, CHELTENHAM
WHITAKER & Co., KENDAL

and many others. A great number of repeat orders.

The Fastest, Cleanest and Simplest
Average Speed 1,000 bottles per hour

Specially good for—Emulsions, Hair Oil, Hair Restorer, D. Lacquers, Essences, Extracts, Castor Oil, Camphorated Glycerine, Toilet Preparations, Veterinary Medicines, Patent Medicines of all kinds. Used by many of the largest Wholesale Chemists & Druggists, who write: "There is no better filling machine," "An excellent machine," "A great help—Average speed 1,000 bottles per hour."

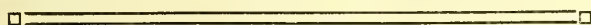
PRICE ON APPLICATION.

JOHN P. JACKSON & CO., Ltd.

Engineers and Coppersmiths,
2, 3 & 4 Pownall Square, LIVERPOOL.

TABLET MACHINES

*For compressing Tablets of every kind, from
SACCHARINS up to Tablets of 2-IN. DIAM.*



IMMEDIATE DELIVERY FROM

THOMPSON & CAPPER, LTD.

(Sole Agents for STOKES MACHINE CO.)

Manesty Buildings, College Lane, LIVERPOOL.

ESTABLISHED - - 1843.

Telegrams:

"SANITAS LIVERPOOL."

Telephone:

ROYAL 2060.

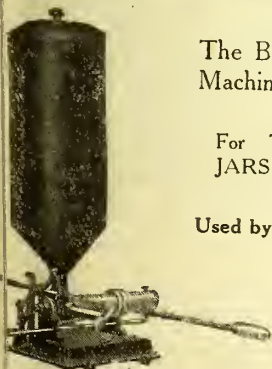
INCREASE YOUR OUTPUT
AND SAVE LABOUR
BY USING THE
CENTRAC
FILLING MACHINES

The Best and Cheapest
Machines on the Market.

For TUBES, POTS,
JARS and BOTTLES

Used by all Leading Firms.

Send us your
requirements.

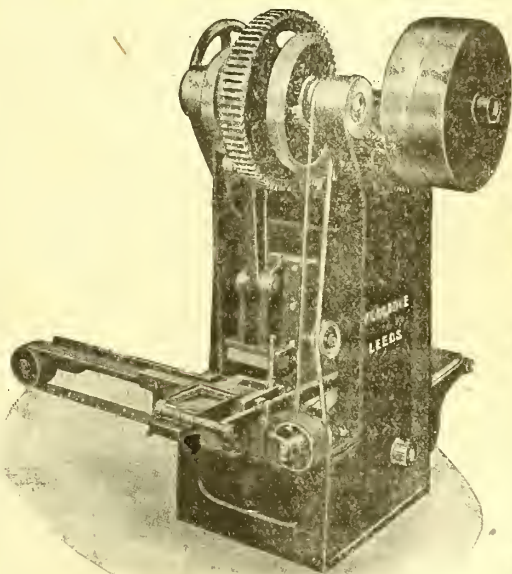


Tubes, Jars, Pots, Filling Machine

The Banister Street Works, Ltd.
ENGINEERS.

5 High Street, HOMERTON, E.9.

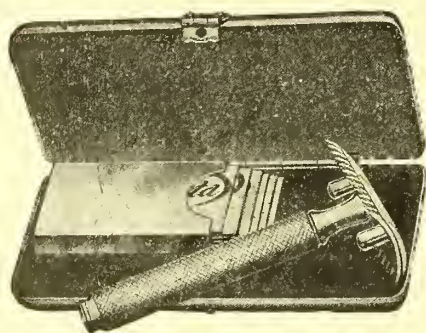
Sole Makers—



SOAP STAMPING MACHINES.

Output, 50 pieces per minute.

THE FORGROVE MACHINERY CO., LTD.
DEWSBURY ROAD, LEEDS.



SAFETY RAZORS

British Made.

Numerous patterns, suitable for all markets.
English or Foreign catalogues on application.
We are the largest makers in Great Britain.

ROWLAND HODGES Ltd., Birmingham, Eng.

SAFETY RAZOR SHARPENING

BY LATEST ELECTRICAL MACHINERY.

We guarantee a perfect edge on ANY blade. ANY make.
Trade terms: 6d. PER DOZEN net.

Blades returned same day as received.

SEND US YOUR WORK.

THE LIVER RAZOR CO., 77a DALE STREET, LIVERPOOL.

**ALL CHEMISTS
SHOULD STOCK**

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 2d. each.

Wholesale Prices on application. Sample Box 1/6.

D. M'GLASHAN, M.P.S., [Abdine Works, Westfield Road, EDINBURGH.]

John E. Raworth & Moss

Chartered Patent Agents.

Patents, Designs and Trade Marks.

The Old Mansion House, 73 Cheapside, E.C. 2. AND 75 Victoria Street, Westminster, S.W. 1.

**To Perfumers & Druggists
etc.**

You cannot do better
than place your orders for

**BOTTLE CAPPING
SKINS**

OPAQUE & TRANSPARENT
with R. RAWLEY.

**LONDON MANUFACTURE
PROMPT DELIVERY**

SAMPLES AND PRICES ON APPLICATION.

ROBERT RAWLEY

Harcourt House,

149 GRAY'S INN ROAD, LONDON, W.C. 1

**HERMETIC
SELF-FIXING
WASHABLE
BOTTLE CAPS**

The Best. The Strongest. The Cheapest.
IMMEDIATE DELIVERY
Transparent or Opaque or Coloured.
VISCOSCO CO., LD., BROMLEY, KENT.

MENTHOL CRYSTALS PEPPERMINT OIL

We are at all times in position to quote c.i.f. Send us your inquiries by cable. We sell all brands, but, unless otherwise specified, we ship "J.M." Brand, which we sell under our guarantee that chemical analysis will prove it in every respect as pure as any.

Remember that we are entirely British-American owned and operated.

THE MUTUAL TRADERS

NAKAYAMATE - DORI, 2 CHOME,
KOBE, JAPAN.

Cable Address: "SIMSLAND."

PETROLEUM

For Pharmaceutical
& Technical Purposes.



WE can give immediate delivery of all qualities and varieties of petroleum for medicinal and for manufacturing purposes.

Inquiries are invited for special varieties.

- MEDICINAL LIQUID PARAFFINS.
- WHITE TOILET PARAFFINS.
- TECHNICAL WHITE OILS.
- BRILLIANTINE OILS.
- PETROLEUM JELLIES,
- HARD PARAFFINS.
- SPRAY OILS, SLAB OILS, Etc.

Samples and Prices Forwarded Promptly on Request.

THE WM. BROWNING Co. Ltd.,
Albert Works, Park St., LONDON, N.W.1.

Telephone : Hampstead. 4046.

Specialists in
Photographic Albums
of exclusive design

Originals & Carter Ltd
12, Lower Seymour Street,
Portman Square,
London W

fine Paste-on
Albums
exclusive and
new designs
from 9s to 30s

**ASPIRIN
CACHE**

CACHETS

are the best vehicles for giving medicine in powder form. They dissolve immediately and the drug is set free at once.

4/- per 1000 all sizes
Special quotations for quantities.

Cicero S. Clark, 12 Richmond Rd., Bayswater, W.2.

Place a 'BETTERWAY' Assistant
IN YOUR WINDOW TO TALK TO THE PASSER-BY.

"Betterway" Interchangeable Letter
Signs are most effective silent salesmen.

Illustrated booklet free.

EVENS, 4a Eagle Street, Kingsway, London, W.

Estab.
1889.

CAPPING SKINS

OF EVERY DESCRIPTION

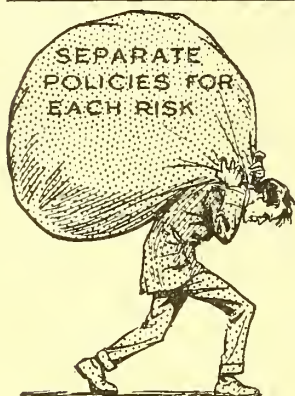
Pone: Clerkenwell 1588.

R. LECONTE & CO.

7 & 8 SOUTH ST., FINSBURY PAVEMENT, LONDON, E.C.2 [3]

Estab.
1889.

Cables: "Etnocel, Ave, London."



Why carry this load?

Why be burdened by a dozen or more policies requiring payment and falling due for renewal at different times?

THE POOL COMPREHENSIVE SHOPKEEPERS' POLICY will save you this worry and bring that peace of mind which comes from the assurance that all possible risks are covered.

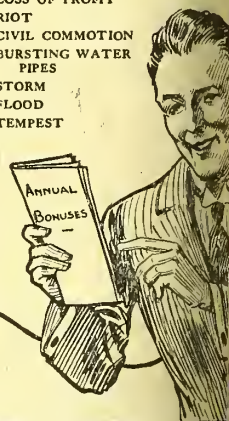
To put your mind at ease, take out—

Write for particulars To-day!

The
POOL
COMPREHENSIVE
SHOPKEEPER'S
POLICY
The LICENCES & GENERAL INSURANCE
COMPANY LIMITED
VICTORIA EMBANKMENT
(next Temple Stn. W.C.2)

ONE POLICY
to cover all these risks

FIRE
BURGLARY
WORKMEN'S COMPENSATION
PLATE GLASS
PUBLIC LIABILITY
THIRD PARTY DRIVERS
LOSS OF RENT
LOSS OF PROFIT
RIOT
CIVIL COMMOTION
BURSTING WATER
PIPES
STORM
FLOOD
TEMPEST



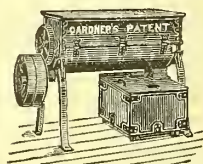
A
**PHILIP JOSEPHS
& SONS LTD.**
SHOWCASE
**QUICKLY EARNS
ITS COST.**

Try One!

93 OLD ST., LONDON, E.C.1.
Phone—9057, London Wall. Wires—"Josiphiah London."

GARDNER'S PATENT
"RAPID" SIFTERS & MIXERS

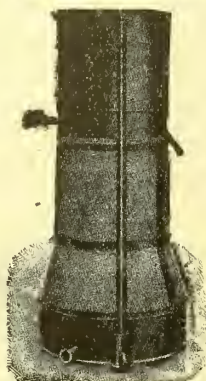
OVER 6,000 workmen
almost every Trade w
POWDERS are Sifted
Mixed and Lump
duced, all being done
operation and without
by dust.



FOR HAND OR POW.

CATALOGUES FRE

WM. GARDNER & SONS, Engineers, GLOUCESTER



**TO MANUFACTURING AND
WHOLESALE DRUGGISTS**

We beg to call attention to the fact that our well-known Patent Stills are made of brass and by steam pressure. Where this is the case, they form a very cheap and efficient method of obtaining distilled water. Any quantity can be suit from 10 to 200 lb. Made in various sizes to produce from 1½ to 15 gallons per hour. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic.

For producing up to
1½ gallons per hour, 9 gallons per hour,
5 " " 15 " "

Please Enquire for Quotations

The few most important places where they afford evidence of the quality, efficiency and economy of the Steam Stills: Royal Pharmaceutical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Guy's Hospital, 1 in use; Royal Society; Guy's Hospital, 1 in use; leading Breweries and Drug Houses etc. etc.

Pamphlets & particulars forwarded on application

Estimates submitted free of charge for supplying and fitting on

BROWN & SON, Albion Works, 9 Wedmore St., Holloway, N.1.

IMMEDIATE DELIVERY

GATES'
BOTTLE
CAPPING
SKINS

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

SNOW-WHITE OPAQUE
ROLLED SKINS.SOMETHING QUITE NEW. These Skins are
Simple and READY FOR USE. Used by all the
Leading Perfumery and Drug Houses. ABSOLUTELY
SNOW-WHITE OPAQUE as Split Skins and equal in appearance.

Also

WHITE OPAQUE BAUDRUCHE

"SOLE PIONEER"
and Only
English Manufacturer
LESLIE GATESFactory :
HAILSHAM, SUSSEX
Telephone Nos. : 53 & 3.Another New Speciality.—Try my
TRANSPARENT SHEEP BAUD-
RUCHE CAPPING SKINS."Mine beat
all others."

Northern Tin Canister Works,

6 Mersey Street,
LIVERPOOL.Manufacturers
for the
Chemical Trade.TIGHT SEAMING &
VARNISH BOTTLES
A SPECIALITY.Patent Air Tight Slip-Lid Tin
for Export.

Prompt Deliveries Assured.

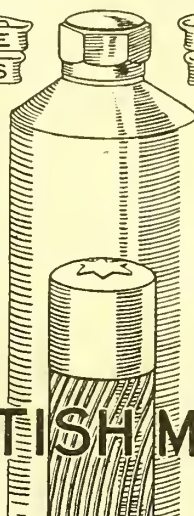
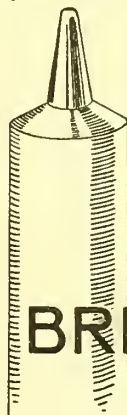
"Corruganza" SEAMLESS Ointment Boxes

have replaced the old
Willow Boxes.being moulded in one
piece, the bottoms can-
not fall out.GREASEPROOF.
BRITISH MADE.Stocked by all the
leading
Wholesale Houses.Wholesale or Export only from
the Manufacturers**HUGH STEVENSON & SONS, LTD.,** Summerstown Works, LONDON, S.W.17.

And at Manchester, Birmingham, Leith, Perth, and Glasgow.

Manufacturers of all kinds of Cardboard Boxes, Folding Packets, Tubes and Canisters, Fibre Board Packing Cases,
Corrugated Paper, &c.

COLLAPSIBLE TUBES

PERFUME
SPRINKLERSAND TIN
BOXES

BRITISH MADE

THE JOHN DALE MFG. COY.
New Southgate LONDON N.11

TO WHOLESALE ONLY.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.12 ounce.
WHITE PHIALS, plain or teaspoons.
1/2 ounce, 1/4 ounce.

1 " " BLUE LOTION BOTTLES, all sizes.

CORKS. Superior Quality.

6 and 8 ounce ... 1/6. per gross, in 6 gross bags.
Vials ... 1/- per gross, in 6 gross bags.Delivered free within 7 miles, and to certain stations. Particulars
on application.**I. ISAACS & CO.,** Glass Bottle Manufacturers

106 Midland Road, St. Pancras, London, N.W. 1.

or ISLINGTON BOTTLE COMPANY,

7 New Inn Yard, Tottenham Court Road, London, W. 1.

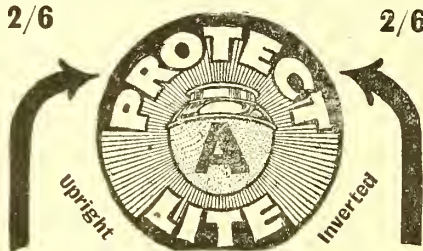
Orders sent to either establishment have attention.

Established 100 Years.

Bankers: London County and Westminster Bank, Bloomsbury Branch.

2/6

2/6

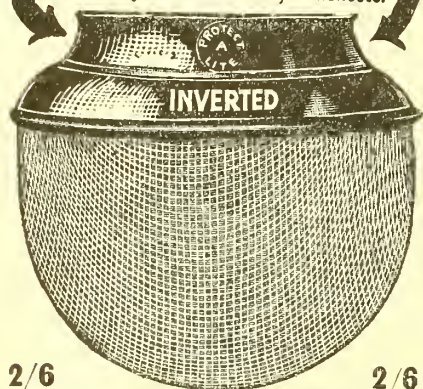


GAS GLOBES NEVER BREAK

Prevents Fires & Saves Gas Mantles
Sold by **PLUMBERS, IRONMONGERS, & C.**

If your dealer cannot supply, show
him this advertisement so that he
can order a stock from

The Safety Wire Globe Co., Manchester



2/6

2/6

CHEMISTS' OVERALLS

From **GARDINER & CO**

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL	-	16/9	21/-	26/6
WHITE DRILL	-	17/6	19/6	
BLACK DRILL	-	19/6		

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.

SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

1 Commercial Road, E.1.

EST. 1839.

Phone: AVE. 6650 (4 lines)



R248A. 3/6

SUMMER HOLIDAYS

Always bring more business both Inland and Seaside Pharmacies. Why not write TO-DAY for a selection of illustrations specially suitable for Summer Specialities such as Salines, Toilet Goods, etc.? Our Business Bringing Blocks really help you ads. to bring more business.

**BUSINESS
BRINGING
BLOCKS**

CHEMISTS' DESIGN SERVICE

12 HUMBERSTONE GATE, LEICESTER

DRY BATTERIES

FOR
TORCHES
AND
POCKET LAMPS

SIEMENS BROTHERS & CO. LTD.
WOOLWICH, LONDON, S.E. 18.

Telegrams: "Siemens Woolwich."

Telephone: City 6400

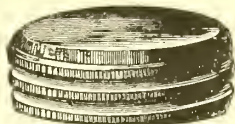




MANUFACTURERS
OF

Collapsible Metallic Tubes

For Artists' Colours, Tooth Pastes, Lanoline, &c.



SPRINKLERS

FOR

Perfume Bottles and Hair Washes.

METAL CAPS

FOR

Glass Jars and Toilet Preparations.



24 CITY ROAD, FINSBURY SQUARE, LONDON, E.C. 1

CORRUGATED PAPER

ROLLS, SHEETS, BOXES (collapsible)

Caons, "Cut Pieces," Strong Outers,
every description of Packing.

Best Prices. Quick Delivery.
Inquiries Welcomed.

The Gildhall Corrugated Paper Co.
Gildhall Buildings, Navigation Street,
BIRMINGHAM.

Telegraphic Address:
Corrugar, Birmingham.

Telephone:
Centr. 14251.

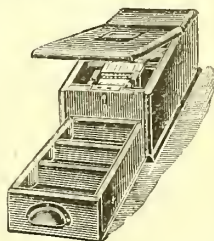
THE IMPROVED DUDLEY CASH TILL.

This Till, though so inexpensive in price, does the work just as efficiently as one costing double the price. It is made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size: 18x9x7 $\frac{1}{2}$ ". Lid fitted with lock and key. Recording paper 3 $\frac{1}{2}$ " wide. Automatically rings warning bell every time cash drawer is opened. Price, packed in wood case, 77/6 each.

Cash returned if you are not more than satisfied.

Dudley Till Coils, 5/- doz.

DUDLEY & CO., 451 Holloway Road, N. 7.
City Showrooms—25 Wood Street, Cheapside, E.C. 2.



"ATLAS" PATENT SIFTERS & MIXERS



Simple, Strong,
Speedy, Reliable,
Durable—these words
describe their efficiency.

BALL MILLS

HIND & LUND, LTD.,
ATLAS WORKS, PRESTON.
Established 1791.

"RODINE" ^{REGD}

THE RAPID RAT REMOVER

*Extract from a letter one Scotch Sanitary Inspector
sent to another re the best Rat Poison to stock.*

26th May, 1920.—"I am in receipt of your letter of 25th inst., and beg to state that I have experimented with several Rat Poisons, including — and — (makes specially enquired of), and have come to the conclusion that there is nothing better than the old and tried favourite 'Rodine,' manufactured and supplied by Mr. Thomas Harley, Manufacturing Chemist, Perth. This is the only Rat Poison which I have found to be absolutely reliable and I therefore stock nothing else. We have submitted it to every test and it has never once failed to do the work claimed for it. The results secured by its use have been most gratifying, and the firms here to whom I have supplied it are enthusiastic about it."

Send for a 20/- carriage paid order to-day on best terms.

Post at once to—

HARLEY, Manufacturing Chemist, Perth, Scotland

BATTLE, MALTBY & BOWER

Victoria Chemical Works - LINCOLN.

MANUFACTURERS OF

SHEEP DIPS

(Liquid, Powder and Paste)

CATTLE WASH

EMBROCATION

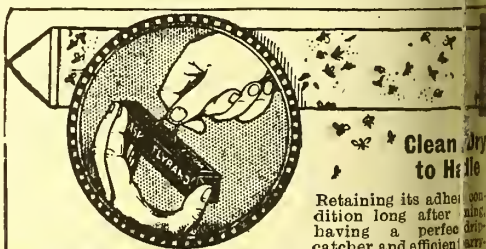
(Veterinary and Household)

WEED KILLER

DISINFECTANTS

PACKED UNDER CHEMIST'S OWN NAME IF REQUIRED.

WRITE FOR PRICE LIST.



ing on its work of fly destruction, the Wasp Flyband has an enormous sale.

WASP FLYBAND

pays you because it gives rapid turnover at a protected price. It is clean and dry to handle, and is the most effective fly catcher sold. Write for prices.

F. F. W. HAMPSHIRE & CO., LIMITED, Riverside Works, 1 BT.



Doomo Airship Fly Band

Write for quotations.

A wide, long band, sticky on both sides.

SMITH & CO.,
Doomo Works, Newark

A FLY DESTROYER THAT IS NOT UNSIGHTLY

"FLY FLOWERS"—Dainty Ornaments that kill flies. A proved rapid seller, 2/- doz. subject, c.p., retail at 3d. each. Showcards supplied. Write for Sample. Liberal terms to wholesalers. Commission Agents wanted for this and other original lines.

W. B. DIXON, Ltd.

(Managing Director: W. B. DIXON, Ph.C.)

Manufacturing Chemists, 17 Lord St., STOCKPORT.

STICKY FLYCATCHES

Bands and Tapes.

"FLYSAC," Tape. "VIPER," 2" and 4" Bands.

"BIG BAT" FLYPAPERS.

"CHESHIRE" and "DAK" Birdlime

For Rats, Mice, etc.

"ORBITE" Banding Material

For Fruit Trees.

SOLE MAKERS—

Kay Brothers Limited, Stockport.

HAYWARD'S

Eureka

WEED KILLER



Powder and Liquid.

New rail regulations, May 1st, have materially altered the conveyance of Weed Killer. We have arranged to meet the requirements. Write to us for particulars.

write for
Terms, etc.

The Chemist's Favourite Brand.
Easiest to sell. Sales through Agents.

TOMLINSON & HAYWARD, LTD., LINCOLN.

BOTTLES.

I can supply BRILLIANTINES, LIMES, OVALS, VIALS, CANNONS, KALIS, SCREW JARS, MEDICAL FLATS, SAUCE BOTTLES, &c., &c. Wholesale quantities only.
Your inquiries solicited.

QVAN DER HOEK, 324/5 Bank Chambers, 329 High Holborn, LONDON, W.C.1



For your **Sieves and Wire Gauze** try the actual Makers!

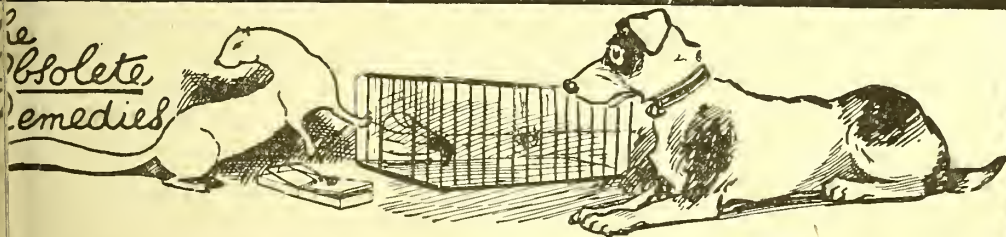
S. RAMSEY & CO.,

198/202 ST. JOHN STREET, E.C. 1.

Telegrams: "Methodical, Smith, London."

Telephone: Holborn 6337 (3 lines).

The
Absolute
Remedies



A READY SELLING RAT POISON

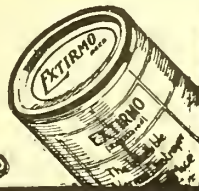
of proven value. It is on the Government List. It always retains its effectiveness—therefore creates no bad stock. Now being advertised in the Press. Helping your sales and therefore ours. Extirmo retails in tins at 7½d., 1/3, 2/6, and 5/-, and shows you a splendid profit. *Are you stocking Extirmo?* Write to-day to the manufacturers for full particulars. Prompt deliveries for either Home Trade or Export.

E. H. WRIGGLESWORTH, Ltd.,
ST. ANDREW'S WORKS, HULL.

The
Absolute
Remedy.

EXTIRMO

Reg'd.
KILLS RATS.
and MICE



Qualifying ("Minor") Examination

UP-TO-DATE SYSTEMATIC CORRESPONDENCE COURSE.
COMPLETE, THOROUGH AND INDIVIDUAL TUITION.
COACHING IN INDIVIDUAL SUBJECTS.

Special Revision and Preparatory Courses

SUCCESS ASSURED.

MANY TESTIMONIALS.

LOW INCLUSIVE FEES.

C. A. SCURR, M.P.S., F.S.M.C., F.I.O., 40 Courthope Road, Hampstead, LONDON, N.W.

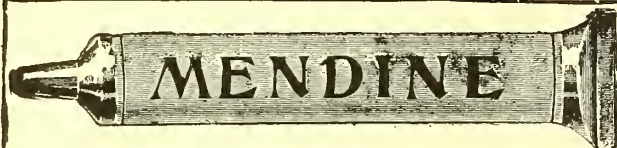
WILLS' UNIVERSAL POSTAL SYSTEM

For the QUALIFYING, PRELIMINARY & APOTHECARIES' HALL EXAMINATIONS. FEE, £1 1s.

N.B.—Students who fail in Part I. of the Qualifying Examination can take a course of lectures on those subjects only in which they were unsuccessful, and so ensure success at their next attempt.

"Wills' Universal Postal System is really world-wide, for Mr. G. S. V. Wills, 190 Clapham Road, London, S.W., the originator, has extended it to cover all pharmaceutical examinations in the British Empire at an inclusive fee of One Guinea, apart from postage."—*Chemist and Druggist*.

For Prospectus, Write or Phone the PRINCIPALS, Westminster College, 190 Clapham Road, London, S.W. 9.



MENDS EVERYTHING.

A PERFECT Liquid Glue CEMENT

Made from the finest materials obtainable. Guaranteed to give efficiency for Six Years. In 2d., 3d., 5d., & 7d. Tubes. Sold in dozens. Also in Bulk for Carpentry, Joinery and Aeronautics, etc., 1 lb., 1 lb., 14 lb., and 28 lb. Tins. Indent through Merchant Shippers. Export Cases at f.o.b. London.

MENDINE CO. (Sole Proprietor, FRANCIS W. CARR) 8 ARTHUR ST., LONDON BRIDGE, E.C. 4.

ELT'S COLLEGE,

North Finchley, N.12.

IDEAL POSTAL COURSES

for

PRELIM., "HALL"
AND MINOR.

Full particulars sent on application.

THE South of England College of Pharmacy

(Concilio et labore)

186 CLAPHAM ROAD, LONDON, S.W.

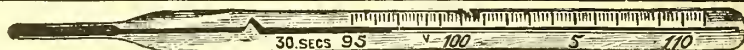
Principal—H. LUCAS, Ph.C., F.C.S.

THE COLLEGE FOR SUCCESS

This College provides systematic training in Pharmacy, Chemistry, Botany, and the Allied Sciences, and prepares Students (ladies and gentlemen) for the Major and Minor Examinations of the Pharmaceutical Society and for the Assistants' Examination of the Society of Apothecaries.

For all particulars regarding NEW COURSES OF STUDY for Day and Evening Classes, apply to

THE PRINCIPAL.



Telegram: "THERMORIGI BRIGHTON."

TRADE MARK: "THERMORIGI," REGISTERED.

E. S. ARRIGHI,

CHEMICAL AND EXPERIMENTAL GLASS BLOWER AND THERMOMETER MAKER,
39 & 40 BOND STREET, BRIGHTON.

Member of British and Foreign Scientific Apparatus Manufacturers' Association, Ltd. and Glass Research Association.

BESORBON

(Dr. Hill's Formula)

MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH & CO
IN THE HEAD.

Richard Dickeson & Co., (Incorporated with Reynolds, Sons & Co., Ltd.)
57-59 CHARTERHOUSE STREET, LONDON, E.C. 1.

A GOOD SIDELINE FOR CHEMISTS

ARTISTIC, PHOTOGRAPHIC

ENLARGEMENTS

BLACK & WHITE SEPIA COLOURED
MAXIMUM QUALITY — MINIMUM PRICE.

Send for Price List and Showcard to

THE EXPRESS DEVELOPING CO. (F. WOOD)

Established 1904.

23 OSBORN STREET - - - LONDON. E. 1

SPEED WITH EXCELLENCE.

A. H. KENYON & CO., Ltd.

(Successors to CAYE'S PHOTO STORES)

69 LORD STREET, SOUTHPORT.

Spools for Developing & Printing.

Enlargements of Photography undertaken.

Good work guaranteed.

PRICE LIST AND TERMS ON APPLICATION.

MECHANICAL DENTISTRY.

To INCREASE YOUR PRACTICE send your Work to

A. G. FENTIMAN.

Every case executed under personal supervision, thus facilitating fit and giving complete satisfaction. Send for price list, &c., to (the only address)

A. G. FENTIMAN, 22 Duke St. (off Bishopsgate), Brushfield St., London, E. 1

Telegrams: "Fentident Ave, London." Telephone: London Wall 7.

THE LUMEX SYSTEM

Materials for THE TRADE ONLY,
and carries with it tastefully com-
piled price lists, printed with your
name and address, and suitable
advertising matter which commands
the attention of amateur photo-
graphers.

OUR 48 HOURS' SERVICE
MEANS THAT FILMS OF
PLATES ARE RETURNED
TO CHEMISTS DE-
VELOPED AND PRINTED
IN TIME TO HAND TO
THEIR CUSTOMERS
WITHIN 48 HOURS OF
RECEIPT BY THEM.

WRITE FOR TRADE TERMS

LUMEX LTD.

Telegrams:
"Lumex,"
Dublin.

DAME LANE, DUBLIN.

FILMS! FILMS! FILMS!

CHEMISTS! CHEMISTS! CHEMISTS!

You want your Films developed Quickly, Properly
and Cheaply. Then send them to us!

PRINTS!! PRINTS!! PRINTS!!

We guarantee the Best Result from Every Film.

TRY US—

"NOLA"—FILM EXPERTS,

117 TOTTENHAM COURT ROAD, W.1.

Cheaper than you do it yourself. Send for Price List.

Phone us—Museum 1171.

DEVELOPING. PRINTING. ENLARGING.
PRICE RIGHT. QUALITY RIGHT. SERVICE UNEQUALLED.

All work returned within 24 hours. En-
largements 3 days. Send for Trade Terms.

OUR NEW WORKS ARE NOW COMPLETE AND RUNNING.

PROMPT DELIVERIES GUARANTEED.
JOIN THE LIVE DEALERS' SERVICE.

Wallace Heaton Ltd.
INCORPORATING **WATSON'S**
CAMERA
HOUSE

17-27 CHANGE ALLEY, SHEFFIELD.

Phone: 27, 255 & 3390. Grams: "ZODELLA, Sheffield."

TITTERTON'S

CELEBRATED



HAIR BRUSHES

TOOTH, NAIL, SHAVING AND BATH BRUSHES.

Makers of the "Athenæum" Tooth and Nail Brushes.

TITTERTON & HOWARD, 8 & 10 GT. TITCHFIELD ST., LONDON, W.1

BRUSH MANUFACTURERS:

To Wholesale & Export Buyers only.

IT WILL PAY YOU
to visit our
NEW SHOWROOM

We have the Right Goods
at the Right Prices ! !

All French Manufacture. Delivery from London
Stock, or Prompt.

**Chemists', Druggists' and
Perfumers' Sundries.**

A. E. DEPRETER,
24 HOLBORN, LONDON, E.C.1.

Phone : Holborn 3182. Grams : "Aedeprelon, Smith, London."

BIDWELLS LTD

RELIABLE TOOTH BRUSHES

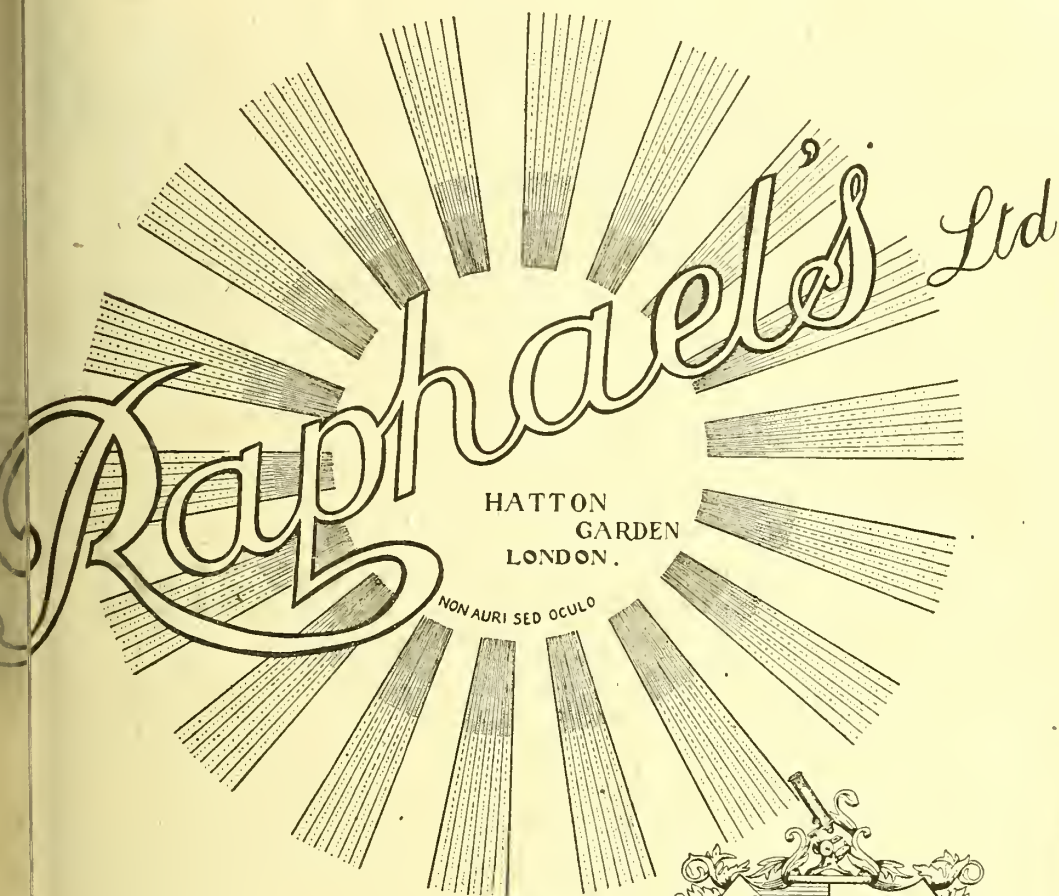
Gloria Silverdrawn	20/-	do
(Assorted Patterns.)		
ditto Hard, White or Yellow	22/-	,
ditto Ex. hard ,,	24/-	,
Mitre - - -	16/-	,
Elephant - - -	14/-	,
Anchor - - -	12/-	,

GROSS LOTS NAMED FREE. CARRIAGE PAID

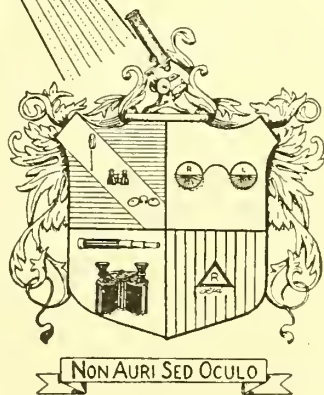
**We do not Sell Foreign Tooth Brush
but our own make only.**

A selected £12 parcel of Hair Brush
from 50/- to 150/- per doz., carr. pa

Made at our Factories, AXMINSTER, DEVON.



Everything the
Optician sells
we stock.



Seasonable Lines

BINOCULARS



COMPASSES

ANTI-GLARE SPECTACLES & EYEGLASSES

For Summer Use

Gelatines

Fine Leaf Gelatine,
Pure Calf.

"Albion" Brand

(In 1-lb. Packets, 112 × 1-lb. to Case.)

Made in England.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES.

Samples on Application.

OURY, MILLAR & Co.

9 Mincing Lane,
London, E.C. 3.

Telegrams :
"Olmenth London."

Telephon
Avenue 45

By Royal Warrant of Appointment
to H.M. The King



By Royal Warrant of Appointment
to H.M. The King.

DAY & SONS, ESTABLISHED 1840
CREWE, LTD. (CREWE)
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only
ONE
Address

LARGEST SALE IN THE WORLD.



DAY'S BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills and Low Condition in all Stock.

Price 1/8 per bottle

DAY'S HUSKOLEIN

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle

DAY'S ZOMO-SAL.

For Flood Disorders, Humours, General Weakness, Surfeit, Indigestion, Sterility, &c. in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

DAY'S RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAY'S OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle and Sheep, Sore Teats, and swollen Udders in Cows and Ewes. For Anointing in difficult Lambing and Calving.

2/6 and 6/- per bottle.

DAY'S WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.

DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s. and £5. Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest illustrated is similar to that at £5 and £2 4s.

GREAT SPECIALITIES.

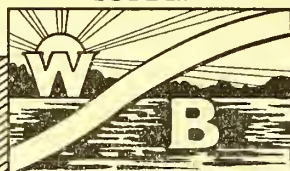
N.B.—The above prices are now advanced. Preparations 20%; Medicine Chests to £1 8s., £2 12s., and £6 respectively.

ONLY GENUINE FROM

DAY & SONS, CREWE, LTD., CREWE, England

LIBERAL TERMS FOR FOREIGN BUYERS.



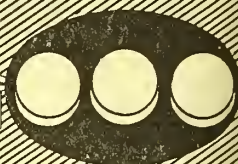


WHITE

BAND CO'S

COMPRESSED TABLETS

HIGHEST STANDARD OF FINISH
AND QUALITY PERFECT COMPRESSION



WHITE BAND CO.'S ASPIRIN TABLETS.

Characterised by fine finish and very rapid disintegration.

Bismuthated Magnesia Tablets

In Three Flavours: Rose, Mint and Orange.

Formalin Throat Tablets

Mint, Rose and Lemon Flavour.

CASCARA

Gr. 2, 3, 4 and 5. Sugar-coated.

A beautifully finished product.

SACCHARIN Tablets.

In envelopes of 100; bottles of 100 and 1000.

We manufacture a complete line of all kinds of Tablets. Packed in decorated cartons.

Write at once for Samples and Prices—

WHITE BAND MFG. CO. Ltd.
CROYDON, SURREY.



PHOSFERINE

The wholesale price of PHOSFERINE is as follows:

1/3 Size	....	....	12/- doz. Net		
3/-	„	....	30/-	„	„
5/-	„	....	48/6	„	„
12/-	„	....	114/-	„	„

The retail prices of PHOSFERINE and all our other Proprietary Medicines are now fixed at the face value, viz.

1/3, 3/-, 5/-, and 12/-

SPECIAL WINDOW DISPLAY OFFER.

Against the conditional £5 worth of PHOSFERINE being taken, a bonus of 10/6 will be allowed for a Phosferine Window Display of not less than two weeks.

EXAMPLE:

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	...	£2 2 0	£2 12 6
2 dozen 3/- size at 30/- net	...	£3 0 0	£3 12 0
		£5 2 0	
Less 10/6 for Window Show	...	10 6	
		£4 11 6	£6 4 6

GIVING YOU A PROFIT OF OVER **35 %**,
OR **£1 13 0.**

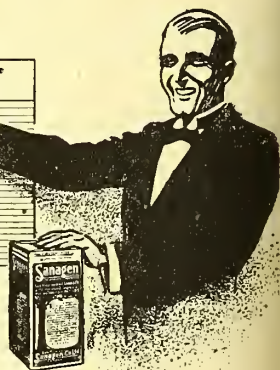
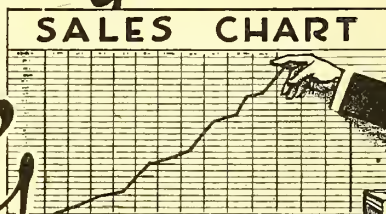
ASHTON & PARSONS, LTD.
LA BELLE SAUVAGE, LUDGATE HILL,
LONDON, E.C.4

AWARDED GOLD MEDAL AT INTERNATIONAL
MEDICAL CONGRESS, LONDON.

Sanagen

THE BRITISH NERVE FOOD

*Watch
Profits
Grow!*



SIZES & PRICES.

4-oz.
Costs 2/- Sells 3/-
PROFIT 1/-
8-oz.
Costs 3/4 Sells 5/-
PROFIT 1/8
16-oz.
Costs 6/4 Sells 9/6
PROFIT 3/2

YOUR Profit percentage on your sales can be increased by pushing the sale of SANAGEN. This because it is not only

1—a 50 % Profit-on-Cost line, but also

2—a Repeat Selling line because it so quickly demonstrates to every user its supreme merit as a Nerve Food that builds up the vital energies.

FREE

SALES AIDS supplied carriage paid on request, also particulars of a handsome Metal - and - Glass Display Stand for your Window and Counter.

Write for particulars to-day.

SANAGEN CO., LTD.

Sheepcote Lane,
BATTERSEA, LONDON, S.W. 11.

Telephone : Latchmere 4363.

THE CHEMIST AND DRUGGIST SUPPLEMENT

2 CANNON ST.
LONDON, E.C.4.

JUNE 5, 1920

Supplement is inserted in every copy of *The Chemist & Druggist*

THE CHEMIST AND DRUGGIST SUPPLEMENT REVISED ADVERTISEMENT TARIFF.

Wanted and for Disposal, Premises
and Shopfittings for Sale, and
1/- for 50 words; every additional 10 words or

OPEN: 6/- for 40 words; every additional
6d.

WANTED: 2/- for 18 words; every additional
6d.

Legal Notices, Tenders, Auctions, and all specially
spaced announcements, 1/3 per nonpareil line (12 lines=
1 inch single column).

Miscellaneous (Wholesalers') Section, for odd and
second-hand lots; 10/- for 60 words; 1/- for every additional
10 words or less.

EXCHANGE COLUMN (for Retailers, etc.). **Two-**
pence per word, minimum 2/-

BOX NUMBER.

Replies may be addressed to a registered number or non-de-plume, c/o this Office, at a charge of 1/- extra for each
PAYMENT.

Accounts are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph
advice this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C. 4.

Phone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

ADVERTISING CLOSING FOR PRESS. Will advertisers please note that until further
notice it will be necessary that Advertisements
for the Supplement must
be sent not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

MR. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No. 1 City 2283.

Be consulted at their Offices on matters of **SALE, PURCHASE, and VALUATION,**

STATION (near).—Middle-class Retail and Dis-
pensing; very old-established; present hands 12 years;
turnover of £40 weekly, at fair prices; commodious
entrance; residence sub-let; new lease will be
granted; no immediate opposition; price £1,000.

BERKSHIRE.—Good-class Retail and Dispensing
Business, through the death of the owner; returns
exceed £2,000; formerly they were nearly £3,000; stock
valued at £800; price required, £950.

HEALTH RESORT.—Old-established Business, Re-
tailing; returns between £2,200 and £2,400, in
profits obtained; well fitted and fully stocked;
lease granted; price to be agreed.

Ed-class Retail and Dispensing Business; returns
exceed £8,000 per annum, at good profits;
large house, private entrance;
held on lease; price £1,600, or valuation

Established Business, mostly own Proprietaries
also Dental Practice; returns last year £11,373,
estimated value of stock and fixtures £2,600;

Old-established Wholesale and Retail
Business; low rental; further details on application.

General Retail Business; returns exceed
£2,000; books open to investigation; double-fronted
shop; new lease can be obtained; price about £1,500.

8.—WESTERN COUNTY.—High-class Retail and Dispensing
Business, no N.H.I.; established 1837, and in present hands 21
years; returns £3,600, at good prices; several good proprietaries
are included; well-fitted shop; vendor's own property; price, to
include freehold, £5,500.

9.—HOME COUNTY.—Old-established Family Retail Business,
also small Wholesale; returns last year about £12,500, at fair
prices; comfortable residence; bathroom; vendor's own property;
partnership can be arranged.

10.—SOUTH OF ENGLAND.—For disposal, Wholesale Business,
returning about £500 monthly; modern factory; two floors; elec-
tric light and gas; moderate rental; held on lease; further details
on application.

11.—MIDLANDS.—General Retail and Dispensing Business; re-
turns, present rate, exceed £3,000 per annum; *net profit* 25%;
double-fronted shop; rent £80; held on lease; price £2,500.

12.—YORKS.—Lock-up Pharmacy; returns, present rate, £70
monthly, scope for increase; *net profit* 25%; rent £30; a lease
will be granted, or premises might be purchased; price for
Business £650.

13.—SOUTH COAST.—High-class Retail and Dispensing Busi-
ness; returns £5,000 per annum; stock and fixtures estimated
at £4,000; further details on application.

14.—ESSEX.—Modern Pharmacy, capitolly situate in busy shop-
ping thoroughfare; attractive, well-fitted shop and large stock;
returns last year £7,000; scope for development; price £5,000.

VALUATIONS FOR STOCKTAKING.

Mr. Orridge & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the
of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often
omitted and eventually becomes the cause of confusion and loss.

Mr. Orridge & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C. 3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

LONDON.—Wholesale manufacturing business for disposal, comprising valuable freehold factory and splendid residence with spacious grounds, factory well equipped, and all in running order; fine central position. Price for the freehold, plant, machinery, etc., £10,000, stock at valuation; references required.

INTENDING VENDORS

We are in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £300 to £3,000.

Established 1870.

BUSINESSES WANTED.

6s. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/6.

ADVERTISER wishes to purchase a good, sound Business in Lancashire or Yorkshire; returns from £1,500 to £2,000 per annum; living accommodation essential; must bear investigation; neglected business not objected to, if scope for improvement; cash available. Particulars to "M.P.S.," 36 Bank Street, Blackpool.

DRUG STORE or Mixed Retail wanted, to suit unqualified, with house accommodation, either on lease, or sale; coast or country preferred. Apply 85/1, Office of this Paper.

PHARMACIST requires a Business; returns £1,200 to £1,800; London or country. Full particulars, in confidence, to "Robert" (84/5), Office of this Paper.

PHARMACIST (now a Manager), with £1,500 capital, wishes to purchase a good-class Retail Business, with scope for Photographic, with good house attached; Midlands or South; would like to hear immediately, but could take over at vendor's convenience; replies in confidence. Apply 84/29, Office of this Paper.

SHOP wanted in London; a Drug Store not objected to; turn-over about £2,000; with living accommodation preferred, but not essential; all replies treated in confidence. Write, P.C.B. 74/31, Office of this Paper.

WANTED, in London suburb or home county, good-class Business in leading thoroughfare doing from £40 to £60 weekly; coast town would be entertained; good living accommodation and garden if in country. Particulars in confidence to "H." (83/39), Office of this Paper.

WANTED, sound Business, town or country; Midlands, Derby, Nottingham, or Birmingham districts preferred; price about £1,000. Apply "G. E. L.," 91 Wolverhampton Road, Heath Town, Staffs.

WANTED, Business, returning not less than £1,200, or neglected Business with possibilities; within 50 miles London preferred; immediately or in near future. "Willmott" (85/25), Office of this Paper.

BRETT & CO

All Valuations have the personal attention of F. J.

Transfer Agents & Valuers

73 LAUREL ROAD, LEICESTER

Telephone: 1934.

£2,000 RETURNS, LONDON, N.—Good medium Retail; well-fitted shop, old-established; nice house entrance; net profit £600; lease; price £1,350.

We have Cash Buyers for all Described Businesses.

PARSON C. BAKER

Pharmaceutical Chemist, M.P.S.

4 CYPRUS ROAD, CHURCH END, LONDON, E.C. 4.

WM. ROOKE ROBERTS,

174 VICTORIA STREET, S.W. 1.

Valuers for Purchase, Sale, Probate, Income Tax, &c.

Recommended by the British Drug Houses Association.

Meggesson, Ltd., Messrs Barclay & Sons, Ltd., &c.

other leading Wholesale Houses.

Valuers to the Association of Manufacturing Chemists.

Make a Speciality of the examination and valuation of Businesses to Vendors or Purchasers as to Value, Prospects, &c., on Moderate Terms.

Registers kept of Businesses for Sale. No Charge for Enquiries invited. Personal attention given to all.

AGENCIES.

6s. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/6.

AN established City firm (running three own premises) with office organisation, warehouse, etc., (whole time) calling on Retail and Wholesale sundries houses throughout Great Britain, are willing to act as sole agencies (buy or sell) for proprietary, fumery, or sundries lines; American, Belgian, French, &c. Write "B." (P.C.B. 73/5), Office of this Paper.

THE Proprietor of several Pharmacies in Lagos is visiting this country, and desires to get in touch with Wholesale Chemists wishing to have particularly proprietaries, Toilet goods, and Druggery placed on the Nigerian market. Address all communications to P.C.B. 73/33, Office of this Paper.

WANTED, Buying Agents, with travelling experience, to sell high-class Toilet Preparations; very complete line; advertising campaign in preparation; Scotland preferred; special terms to shippers. Write to 84/29, Office of this Paper.

PARTNERSHIPS.

CHEMIST, with Soap experience, required, to start a new business; £2,000 in dividend-paying Company; price £85/12, Office of this Paper.

OFFICE, WAREHOUSE AND FACTORY.—Advertiser has small manufacturing business, will accept rent free for long term in return for partnership position in sound established business; premises suitable for doing a large trade. Write, in confidence, to P.C.B. 73/340, Office of this Paper.

ESSES FOR DISPOSAL.

or less; 6d. for every additional 10 words or less, prepaid.

may, if preferred, have replies addressed to this
warded on payment of an additional charge of 1/-.

tain road Branch Business; taking over £15
under unqualified management; no immediate
proprietor could easily double; splendid
including house and garden, freehold, £800.
o/o Wyleys, Ltd., Coventry.

1.—Drug Stores for Sale, situated in busy
business could be improved by qualified man;
required. Full particulars Parkin S. Booth, 31
Holborn Viaduct, London, E.C. 1.

ly populated, working-class district; no immen-
sion; energetic, qualified man could double pre-
£375, or £50 goodwill, stock and fixtures at
premises could be acquired for £350; reasons
vacancy. Replies to "R." (84/30), Office of

3.—LAND.—Sound progressive Business for Sale;
small town; returns increasing; fair profits;
lease by arrangement; can be easily worked
light congenial work; no heavy trade; little
sh trade; no agents; buyers only. 84/4, Office

Dispensing and Light Retail Business for Sale in
town on South Coast; well-fitted shop on
opportunity for young man with push and
a good promising business. Reply 85/34,
r.

WOOD.—Small neglected Retail Chemist Business;
man; price £200. Full particulars Parkin S.
House, Holborn Viaduct, London, E.C. 1.

for Sale; main road, S.E.; turnover £1,200;
opportunity for qualified man; good Photographic
for N.H.L.; living accommodation; ideal flat;
health. Apply 23/15M, Office of this Paper.

Spa.—Good-class Dispensing and Family trade;
OO; splendid house attached; commanding posi-
low rent; price £3,000; part can remain.
of this Paper.

within easy reach of London.—Genuine, good-
Business; very old established; no opposi-
in healthy district; 10-roomed house; large
reses held on lease; rent £40; every investiga-
details to genuine buyers supplying bankers'
" (14/14H), Office of this Paper.

£1,600; splendidly fitted lock-up Shop in
own working-class district; exceedingly profit-
worked, long lease, at low rent, inclusive of
able for either qualified or unqualified; to be
of stock and fixtures, plus very small pre-
out £900 all at. Apply 85/15, Office of this

Established cash Business for Sale; present
yes; large shop, warehouse, etc., with a lucrative
ed; good house, bathroom, lavatory, etc.;
near, near coast; residential position; applicants
reference which will be exchanged, with full
ants. Apply "Radix" (85/15), Office of this

Proprietary Business for Sale; registered com-
prmise manufacturing laboratory, etc., and
Oxford Street; easily managed; vendor will
£200, includes good stock; fortune for business
to Agents, Messrs. A. Cox & Co., 60 Chancery

FOR SALE.

is; 6d. for every additional 10 words or less, prepaid.

y, if preferred, have replies addressed to this Office
on payment of an additional charge of 1s.

PH Ch Till, with coin-exhibitor and receipt-giving
ent; w condition; 15 guineas. Brickell, 295 High
sbury, N.W. 6.

Cast Oil; 12 gross 2-oz. bottles @ 39s. gross and
ditto @ 60s. gross; straw coloured; guaran-
teed; carriage paid, packing free. Bennison,
Chel, S.W. 3.

GLASS JARS, round screw tops, 1½ oz. (without caps), 48 gross,
@ 10s. 6d. gross, carriage paid, or, in 12-gross lots, @
11s. 6d. gross, carriage paid; excellent value; also 6½ dozen
Smelling-salt Bottles, dark green, with ball stoppers; 30s. the
lot. Wilde, 169 Worsley Road, Winton, Patricroft, Lancs.

NEST of Spanish Mahogany Drawers, 50, 18 small, 12 large;
cut crystal glass knobs, gold labels; perfect condition; size
6 ft. long, 2 ft. high; seen any time; no reasonable offer refused;
also Maw's large Specie Jar in mahogany stand, gold-leaf top;
perfect. "Dentist, 63 High Street, Alton.

PILL Plant, small, power, clean; consists of mass mixer,
piping, press, pill-cutting machine, coating pan. P.C.B.
74/12, Office of this Paper.

FIXTURES, FITTINGS, ETC. OWING TO EXPIRATION OF LEASE AND INABILITY TO RENEW.

REINHARDT & SONS, LTD., 7 Queen
Victoria Street, Leeds, offer for Sale
the entire costly and up-to-date Mahogany
Fixtures and Fittings of this old-established
business.

Bent-glass Counter Cases, Mahogany
Counter, with glass cases in front; Dispens-
ing Fixture, with mirror-backed cases and
polished plate-glass shelves; Mahogany-
fronted Drawers; Mahogany Wall Cases,
with plate-glass doors, all air- and dust-
tight; Self-Adding National Cash Register.

Business transferred to branch, 61 York
Road, Leeds.

50 GROSS of 2-oz. Amber Screw-capped Jars, fitted with
aluminium caps; offers requested. Cuxson, Gerrard & Co.,
Ltd., Oldbury.

SITUATIONS OPEN.**RETAIL.**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this
Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Junior Assistant (experienced) for good-class
Dispensing and Photographic business; outdoors; no Sunday
or Bank Holiday duty; state age and salary required. Marshall
Bros., Moseley.

BOURNEMOUTH.—Junior Assistant required for good-class Dis-
pensing Business; unqualified. Particulars of experience,
etc., references, and salary required, to Rose & Hornby, The
Boscombe Pharmacy.

BRIGHTON.—At once, for 3 months, competent Assistant for
quick Light Retail, with Photography; salary £4; please
state when free and usual particulars in first letter. H., 11
Clarence Square, Brighton.

CHEL TENHAM.—Wanted (immediately), Junior Assistant
(mate) for high-class Dispensing Business, with knowledge
of Photography preferred. Please send full details of experience,
salary (indoors), etc., Beetham & Clark, Promenade, Cheltenham.

HUDDERSFIELD.—R. C. Walshaw, Pharmacist, Huddersfield,
will have a vacancy for a qualified Assistant in July; easy
hours. Apply Walshaw, 18 Grasmere Road, Huddersfield, stating
salary required, and giving full particulars as to references, etc.

LANCS AND YORKS.—Qualified Manager, single, for holiday
relief; probable permanency at conclusion if satisfactory;
excellent opening for a really smart and energetic young man
anxious to make his way. Apply 85/370, Office of this Paper.

LINCOLNSHIRE.—Senior qualified Assistant; reliable; capable
of control in Mixed large Retail; please state full usual
particulars, experience, etc. Apply 84/33, Office of this Paper.

LONDON.—Qualified Manager; single; capable of undertaking
relief work during the holiday of Managers; permanency
relief work is done satisfactorily. Apply "London" (83/37),
Office of this Paper.

LONDON, S.W.—Smart, unqualified Assistant, age about 30;
well up in Counter, Dispensing, and Photographic; good
prospects for progressive man. Apply, with full particulars, age,
height, experience, salary required, and when disengaged, to
"Iridis" (84/27), Office of this Paper.

LONDON, W.—Wanted, qualified Manager (outdoors) for Counter,
Dispensing, and Stock, accustomed to Store trade, with a
knowledge of Photography; state experience and salary required.
Apply 84/1, Office of this Paper.

LONDON, W.—A competent qualified Assistant wanted; one
accustomed to a good-class Dispensing Business. Write or
call, Rouse, 12 Wigmore Street, London.

MANCHESTER.—Required (immediately), experienced male Assistant; capable of taking charge during employer's absence; must be a reliable and quick Dispenser. Please send usual particulars to T. R. Hornby, M.P.S., 72 Vine Street, Higher Openshaw.

MANCHESTER-SALFORD.—Wanted, qualified man to manage small branch, working and middle-class district; small N.H.I. and cash Retail; hours 8.45 to 8; half-day Wednesday. Apply, giving full particulars as to age, experience, salary expected, to 81/37, Office of this Paper.

MARGATE.—Competent, qualified Assistant for good Retail and Dispensing business. Particulars of last two engagements, with salary required (outdoors) for the season, when disengaged, to W. M. Rosser, Bailly & Co., 2 Ethelbert Terrace, Margate.

S^T. GEORGE'S HOSPITAL, HYDE PARK CORNER, S.W. 1.—Assistant Dispenser from June 14 to September 11; Pharmaceutical Society's qualification; ladies ineligible. Applications, stating experience and salary required, to be addressed to the Pharmacist.

TEIGNMOUTH.—Unqualified Assistant wanted (outdoors) for good-class Dispensing and Light Retail; no N.H.I. Full particulars of experience, age, and salary required, to H. Dring, Chemist, Teignmouth.

TUNBRIDGE WELLS.—Young qualified Assistant required (early in July) as Senior for Dispensing Business; good experience essential. Apply, stating full particulars and salary required, to J. H. Bishop, The Dale, Tunbridge Wells.

YORKSHIRE, WEST RIDING.—Unqualified, outdoor Assistant wanted; Counter and Insurance Dispensing; easy hours; good salary to a smart, reliable, energetic man who knows his business; state age, experience, when disengaged, and salary. Apply "Kaybeco" (85/37), Office of this Paper.

BRANCH Manager, qualified, required; permanency and progressive salary to suitable man who could develop growing trade. Boulton & Skelton, Ltd., Rexall Pharmacy, Grimsby.

DISPENSER, fully qualified, required for a small General Hospital in Central London. Apply, stating remuneration required, to "O. L.," c/o J. E. May, Advertisement Agent, 68 Fleet Street, London, E.C. 4.

DISPENSER wanted; part time; Hall qualification and some experience necessary. Apply Superior, Hospital of St. John and St. Elizabeth, 40 Grove End Road, St. John's Wood, N.W. 8.

INLAND HEALTH RESORT.—Qualified Manager required for a high-class business; Optical experience necessary; splendid opportunity for a capable and energetic man. Apply 85/372, Office of this Paper.

LADY Assistant required (outdoors), Hall qualification, about 30 years of age, with several years' good experience Counter and general routine; capable and energetic; give particulars of experience, salary required, and enclose copy of recent testimonial. Jones, Chemist, Pontypridd, Glam.

LOCUM, qualified, wanted for four weeks, July 5th to 31st, in Light Retail and Photographic Business; hours 8.7, Thursdays 8.1, Saturdays, 8.9. Apply, with usual references and wages required, to J. C. E. Meacock, Chemist, Daventry.

MANAGER; qualified; thorough knowledge of commercial side of business and salesmanship; only first-class man entertained; healthy neighbourhood near Epping Forest, seven miles London; salary £7 week, with annual interest in the net profits; state age, full experience, and all situations from apprenticeship. Apply 131/19, Office of this Paper.

MANAGER; smart, qualified; good salary, with house; also an unqualified Assistant. S. Briggs, 585 Lea Bridge Road, Leyton, London.

MESSRS. COOPER, SON & CO., LTD., 80 Gloucester Road, S.W. 7, have a vacancy for qualified Assistant (male), principally for Front Counter; must have had first-class experience. Apply, with full particulars, salary, etc., to "A. J. B. Cooper."

PART-TIME Assistant; London, E.C.; two or three days weekly, 12 to 5, for Counter and Stock; give particulars of experience and say when disengaged. Apply 85/23, Office of this Paper.

PARKE'S DRUG STORES, LTD., require a qualified Manager immediately; progressive man essential; applicant must have good London experience; knowledge of Photography and Optics an advantage. Apply by letter only, stating age, height, and experience, to 65 Harmond Street, Kentish Town, London, N.W. 1.

PARKE'S DRUG STORES, LTD., have a vacancy for an unqualified Assistant; applicants must be energetic, and have a knowledge of Photography. Apply by letter, giving full details as to age, height, and experience, 65 Harmond Street, Kentish Town, London, N.W. 1.

QUALIFIED Dispenser required for West-End; outdoors; excellent prospect for good man. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

QUALIFIED man, with real business ability and managing warehouse connected with the head, well-known firm of Retail Chemists, will be required's experience in Wholesale essential. Apply "H. L." (85/37) of this Paper.

QUALIFIED Manager wanted immediately; young, energetic; good salary and commission. Full particulars to Knox Mawer, Raubon.

QUALIFIED Assistant wanted; young man preferred; quick and accurate Dispenser, and have excellent good opportunity to suitable man. Apply, giving full age, references, salary required, to Wm. Fox & Sons, Bethnal Green Road.

QUALIFIED Locum for about three weeks, commencing 14th or earlier. Full particulars to Entwistle, 101 Lonsdale Street, Accrington, Lancs.

QUALIFIED Manager for Branch; must be young, good Salesman, and Window-dresser; trustworthy, industrious. Apply personally Saturday morning, or before Tuesday next, Bennisons, Ltd., 8 Cale Street, S.W. 3.

QUALIFIED; London, S.W.; age 30 to 40; must be capable and able organiser, with London experience cash trade; good salary and prospects; in reply, give usual particulars as to age, references, experience. Apply 84/6, Office of this Paper.

UNQUALIFIED, for branch Speciality and Prescribing good Salesman; hours 9 to 9; permanent situation. Hulmer, Chemist, Nottingham.

WANTED, qualified Assistant, good Counterman, in Dispensing, for end of June. W. F. Turner, The Pharmacy, 36 Trinity Street, Cambridge.

WANTED, temporary Assistant, Minor or Apothecary qualification, for six weeks, commencing July 15 with full particulars, and stating salary required, to "P. West London Hospital, Hammersmith, W. 6.

WANTED, Assistant (gentleman), unqualified. With experience, salary required, and reference, to Diment, International Stores, 67 High Street, North Fitzroy.

YOUNG lady Assistant required with good knowledge of proprietary articles, Perfumery and Soaps for the trade. Apply E. C. Evans, Pharmacist, Wm. Whiteley, Ltd., Bourne Grove, W. 2.

WHOLESALE.

The Advertiser may, if preferred, have replies addressed to Office, and forwarded on payment of an additional charge.

ASSISTANT Counterman required, age 25-30, department of City Wholesale Chemical house; for a smart man. Apply 15/8J, Office of this Paper.

CHECKER for export trade; experience in the dispatch essential. Apply J. F. Macfarlan & Co., 9 E.C. 2.

CLERICAL.—A firm of Manufacturing Chemists requires the services of a Clerical Assistant with knowledge of the trade; qualification not essential. Write particulars of age, experience, and salary wanted, 3/26, this Paper.

COUNTERMAN for fine Chemicals. Apply, stating age, to 23/13M, Office of this Paper.

DRUGGISTS' SUNDRIES TRADE, SOUTH COAST. Need Clerk required; please state age, experience, desired, and usual information. Apply 82/340, Office of this Paper.

DRUGGISTS' Sundries Assistant, age 19 to 20; post; commencing salary £2 to £2 10s., according to experience. Only those with good knowledge of the trade, applying full particulars, to 7/10D, Office of this Paper.

FOREWOMAN, single, for Patent Medicines, Perfumery, and articles, must have thorough knowledge of the trade. State age, experience, and wages required, to "Xericum" (3/27B), Office of this Paper.

GIRLS for packing Fine Chemicals; must have experience. Apply J. F. Macfarlan & Co., 9/11, E.C. 2.

JUNIOR Assistant wanted for Shipping and Wholesale; one with previous knowledge of Shipping preferred. Reply, with full particulars, experience, required, to W. Bates & Co., Ltd., 50 Oxford Street, S.W. 1.

MAJOR man required by Wholesale Drug house, for testing and experimental work; well fitted, in confidence, mentioning salary desired, experience, etc., to 82/34, Office of this Paper.

ORY Manager, a thoroughly experienced man, to take of the Pharmaceutical Laboratories of Wholesale London. Apply, stating qualifications, age, and ed, to 5/11C, Office of this Paper.

TURING PERFUMER REQUIRED.—A thoroughly and Perfumer-Chemist required with a sound experience in high-class Perfumes, Face Powders, Creams, etc.; must be accustomed to purchasing supplies factory. Write, stating experience and qualifications detail, also salary expected, to Box W.30, Advertising Offices, Salisbury Square, E.O. 4. All ed in strict confidence.

accustomed to packing fine chemicals for export. J. F. Macfarlan & Co., 9-11 Moor Lane, E.C. 2.

required by City Chemical house; one with knowledge of preferred. Apply in person to 23 Cross Street,

, a young man to superintend Wholesale Chemical ent; one thoroughly used to Photographic and trade application will be considered unless age, salary previous experience is clearly stated. Apply 29/81', Paper.

Assistant (either sex) in Perfumery Department, of working under slight supervision; should have this work. Address, stating full particulars, age, ed, to "A. H." (P.C.B. 74/24), Office of this Paper.

TATIVE required by old-established Soluble Essence aturers to call on Aerated Water, Confectionery, etc. South; salary, commission, expenses. Apply, giving ee, references, to 14/12H, Office of this Paper.

TATIVES wanted for Wales, Western, Southern, and st Counties with established connections among Hairdressers, to sell a series of attractively packed 5 per cent. commission will be paid on sales under 5 per cent. on sales over £100 per month. Write, ground and lines carried, P.C.B. 73/34, Office of

PARTMENT.—Manufacturing Chemists require immediate assistant for their London Sales Department; age ation not essential; must be good correspondent good business training. Apply by letter to 3/25B, Paper.

Pharmacist required to represent in Scotland in Scotch house; some experience of Travelling an must be well educated, of good address, and keen; particulars and salary required. Apply 37/6T, Office

required to call on Chemists and Stores throughout and N.E. London districts, by well-known firm Toilet Soap and Toilet requisites. Write, giving experience, and stating salary required, "G." of this Paper.

Leading firm of manufacturers, Representative; knowledge of Chemists trade in Wales essential. Office of this Paper.

Traveller having a connection amongst Wholesale sundriesmen; one with a knowledge of Surgical ed. Write to "M. H. T.," c/o Jackson's, 19 E.C. 3.

Chemist wanted; well experienced in Waxes, Oils, C., and in manufacture of Polishes, Disinfectants, Agricultural and Veterinary preparations; to ed, and assist generally in the whole practical acturing. State fully previous experience, age, salary required, to 123/8, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

Assistant is wanted (at once) for the season (June at Ch. Delacre's, English Pharmacy, Brussels; from 8 to 12 and from 2 to 6.

Wanted, within next three months, gentleman, married, Pharmacist, and of British nationality el Near Eastern countries as representative of English exporters of Drugs and Fine Chemicals. Candidate must speak French fluently, but previous travelling experience essential. Appointment calls for energy, initiative, and business ability. It offers progressively improving and ment to one possessing these qualities. Application with full particulars, to be made by letter to 3/251, t this Paper.

excellent opening for a young, unmarried, in a good-class Retail; climate healthy; con- For further particulars apply to "L.," 14 Street, E. 1.

SOUTH AFRICA.—Qualified Assistant wanted, about 22 years of age; single; salary £30 to £35 per month; comfortable position; plenty of sport, shooting, cricket, etc. Apply "E. N. T.," Ayrton, Saunders & Co., Ltd., Liverpool.

SOUTH AMERICA.—Wanted, Assistant for Chile, South America; age 25 to 30; good Dispenser; smart Counterman; three years' engagement; first year £250, second year £400, and third year £450; second-class return passage; good references required; excellent prospects for smart man; climate healthy; full particulars of situation on application. Apply, with particulars, to "Chile," c/o Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

SPAIN AND SPANISH AMERICA.—Traveller, young, single, preferably qualified, able to speak Spanish with reasonable fluency, required by leading London firm of export Druggists. If unqualified candidates should have had experience of Drug and Fine Chemical trade; other things being equal preference will be given to candidate of British nationality; progressive position for suitable man. Applications to be addressed to 3/250, Office of this Paper.

STRAITS SETTLEMENTS.—Young Assistant, unmarried, with Chemist's qualification, a good knowledge of Optics desirable; four years' agreement; passage paid out and home; salary first year £490; second and third years £525, fourth year £560. Apply 140/34, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.—LOCUM, Pharmacist (30), just disposed own business, now booking Locum; abstainer; experienced all branches, Photography, etc. Chemist, 11 Eardley Crescent, Earl's Court, S.W. 5.

A JUNIOR (unqualified) requires post; good references; all-round experience; near London or Midlands preferred; can start immediately. Apply 83/12, Office of this Paper.

A QUALIFIED Chemist disengaged; permanent; Manager or Locum; thoroughly competent; town, country, seaside experience; up-to-date Photography; state salary offered. Apply 82/35, Office of this Paper.

A QUALIFIED Chemist, as Manager or Locum; good references; experienced and active; London or country. Apply 84/32, Office of this Paper.

A QUALIFIED Chemist desires situation, North of England or Sheffield district; experienced and active. J. W. B., 16 Woodland Terrace, New Washington, Co. Durham.

A QUALIFIED Pharmacist, Locum. Duckett, 4 St. Andrew's Square, Surbiton.

ADVERTISER desires Locum or permanency, immediately; unqualified; 20 years' Counter, Dispensing; married. Y., 33 Central Avenue, Basford, Notts.

A S Junior; Chemist strongly recommends late Apprentice; 5 years' experience; London preferred, or large town. Apply 85/30, Office of this Paper.

A S Manager; M.P.S.; 28; married; permanency; experienced and competent. Full particulars to 85/32, Office of this Paper.

ASSISTANT; unqualified; age 27; 10 years' experience high-class Dispensing, Retail, Agricultural, and Photographic; tall, energetic, and reliable; disengaged; permanency desired. "Statin," 79 Prospect Road, Redditch, Worcestershire.

ASSISTANT, unqualified, seeks permanency, town or country; 12 years' experience General, Retail, Dispensing. Apply "B.," 15 Bath Street, Brighton.

ASSISTANT, unqualified, seven years' good experience, desires post immediately, temporary or otherwise; ex-Army; best references. Replies to "Ypres" (83/9), Office of this Paper.

ASSISTANT; 25 years' Retail, Dispensing, and Photographic experience; quick, accurate, Window-dresser; good references; Bristol or neighbourhood. Apply 84/18, Office of this Paper.

ASSISTANT, unqualified (25), demobilised, seeks temporary post; Midlands preferred; good experience Counter and Dispensing. Apply 85/29, Office of this Paper.

ASSISTANT, 26; 11 years' first-class Dispensing, Counter, and Photography experience; disengaged; salary required £4; state particulars, hours, etc. "Provincial" (85/3), Office of this Paper.

For Employees only



Shall we write Your name here?

THIS cheque is **yours** if you can prove you have enough "selling" ability to enter you to it! If you possess those qualities which make a good salesman—ambition, initiative, observation, knowledge of the goods you are selling, and an understanding of human nature—you cannot afford to overlook the Glaxo Salesmanship Prize Offer.

This Prize Offer is for **EMPLOYEES** only in retail shops where Glaxo is sold. The first prize is £25, second prize £10, third prize £5, and one hundred prizes of £1 each. All you have to do is to answer a few questions on Glaxo and Salesmanship.

Entries will be judged by Mr. Humphreys (Sales Manager of Glaxo) and Mr. John F. Thompson (late Editor of the *Pharmaceutical Journal*). Their decision will be final.

Send a postcard **TO-DAY** for Entry Paper and literature containing all necessary information about Glaxo. The last day for receiving Entry Papers is **JUNE 30, 1920.**

£140

in Cash Prizes

Send a Postcard **TO-DAY**
for **YOUR** Entry Paper—
you have no time to lose!

155 Great Portland St., London, W.1.

Quotations for Thoughtful Chemists

"Chronic intestinal stasis is a subject of great importance at the present moment; indeed, if the views I hold on the subject are even approximately correct, no bigger question has ever held the attention of the medical profession".....

"How are these cases treated?.....they are given increasing amounts of irritating substances called purgatives".....

"This represents the medical treatment and the essence of the 'so-called' 'cures' which frequently effect a temporary alleviation of symptoms.....

"Much more benefit can be obtained by the use of.....

"PURE LIQUID PARAFFIN administered at regular intervals
"during the day."

Sir W.Arbutnot Lane, Bart.
M.S., F.R.C.S

RUSSIAN PAR. LIQ.

SA GR. 0.885 at 60°F.

Viscosity at 100°F over 275 seconds. (Redwood)

B.P.

*"This is the type of preparation used by
Sir W.Arbutnot Lane, and his associates
for internal administration."*

JOURNAL. AMERICAN MEDICAL ASSOCIATION.



REDDGRAVE BUTLER & CO.,
PARK LODGE, FOREST LANE, LONDON, E.15.
Tel. N° Stratford, 799.

BELL'S Improved Chemical Food

IS THE LAST WORD IN

ELEGANT PHARMACY

Sole Agents for Australia:
W. Hermon Slade & Co.
418 George Street,
Sydney, N.S.W.

*Sole Agents for
New Zealand:*
S. A. Smith,
151 Hertford Street,
Christchurch,
Canterbury.

It is quite free from the "inky" astringent
taste of ordinary Parrish's Food.

It is flavoured with Morella Cherries.

It does not stain the teeth.

It is full phosphate strength.

Packed in 3-oz. Bottles, **8/-**; 4-oz. **11/-**; 6 oz. **14/-**;
8-oz. **18/6**; 12-oz. **26/6**; 16-oz. **34/-** per dozen.
Also in bulk at the usual prices. *Special quotation for large quantity.*

John Bell, Hills & Lucas, Ltd.

OXFORD WORKS,

Tower Bridge Road, LONDON, S. E. 1.

Telegrams:
Atoline Sedist London.

Established 1798.

Telephones:
Hop 3584 3585

FOR
*Quality
AND Flavour*

**BOURNVILLE
COCOA**

MADE
BY *Cadbury*

A New British Chemical Industry.

POTASH COMPOUNDS

MANUFACTURED IN ENGLAND FROM ENGLISH POTASH.

CARBONATE OF POTASH, B.P. BI-CARBONATE OF POTASH, B.P.
RED PRUSSATE OF POTASH. PERMANGANATE OF POTASH, B.P.
YELLOW PRUSSATE OF POTASH. CHLORIDE OF POTASH, B.P.

Orders for less than 100 lbs. not accepted.

Telegrams:
"Cyanobrit,
Cannon, London."

The British Cyanides Company, Ltd.
Sales Office: 49 Queen Victoria Street, London, E.C. 4.

Telephone:
Central 6273
(2 lines).

